

Part A: Institutional Information

A1. Name and Address of the College:- Jaipur Engineering College & Research Centre

City: - Jaipur

State: - Rajasthan

Pin Code: - 302022

Phone No (including STD Code):- 0141-2770232

Fax – 0141-2770803

A2. Year of Establishment:- 2000

A3. First Approval Letter No.: F. No 765-66-01/NDEG/ET/2000 Date: 13.07.2000

A4. Head of the Institution:-

Name - Prof. Vinay Kumar Chandna

Designation- Principal

Nature of appointment:- Regular

Phone No. -0141-2770120

Email ID- principal@jecrcmail.com

Mobile No- 9891406784

Fax No. - 0141-2770803

A5. Name and address of the affiliating University:- Rajasthan Technical University

City: Kota

Pin code. -324010

State:- Rajasthan

Email - vcofficertu@yahoo.co.in

Website: www.rtu.ac.in

Mobile No- - 0744-2473015(Dean Academic)

Phone No. 07442473001

A6. Type of Institution:-

Institution of the National Importance University

Autonomous

University

Any Other (Affiliated College) Yes

Deemed University

A7. Ownership Status:-

Central Government

Trust

State Government

Society

Government Aided

Self Financing Yes

Section 25 Company

Any Other



Department of Electronics & Communication Engineering

A8. Students Admissions (institute level considering all UG Program)

| Item 2021-22 | CAY 2021-22 | CAY 2020-21 | CAYm1 2019-20 | Total |
|--|-------------|-------------|---------------|-------|
| Sanctioned Intake | 990 | 990 | 990 | 2970 |
| Number of Students admitted (Corresponding to Sanctioned Intake) | 752 | 956 | 901 | 2609 |
| % of Students admitted over last three assessment years (Total admitted/Sanctioned Intake) | 75.95 | 96.56 | 91.01 | 88.61 |

A9. Details of the students actually admitted through Lateral Entry/Separate Division

| Item | CAY 2021-22 | CAY 2020-21 | CAYm1 2019-20 | Total |
|---|-------------|-------------|---------------|-------|
| Number of Students admitted through Lateral Entry | 23 | 54 | 18 | 95 |
| Number of Students admitted through separate Division | NIL | NIL | NIL | NIL |
| Total Number of Students admitted in the Second Year | 23 | 54 | 18 | 95 |

A10. Details of all the programs being offered by the Institution Under Consideration:

1st Shift

| S. No | Program Name (B.Tech) | Year | Intake | Increase Intake, if any | Year of Increase | AICTE approval | Accreditation Status |
|-------|--|------|--------|-------------------------|------------------|----------------|----------------------|
| 1 | Electrical Engineering-60 | 2000 | 180 | - | - | 13.07.2000 | - |
| | Electronics & Communication Engineering-60 | | | | | | |
| | Computer Science and Engineering-60 | | | | | | |
| 2 | Electrical Engineering-60 | 2001 | 240 | IT-60 | 2001 | 14.06.2001 | - |
| | Electronics & Communication Engineering-60 | | | | | | |
| | Computer Science and Engineering-60 | | | | | | |
| | Information Technology-60 | | | | | | |
| 3 | Electrical Engineering-60 | 2002 | 300 | | 2002 | 20.06.2002 | - |

Department of Electronics & Communication Engineering

| | | | | | | | |
|---|--|------|-----|------------------|------|------------|---|
| | Electronics & Communication Engineering-60 | | | | | | |
| | Computer Science and Engineering-90 | | | Biotech-30 | | | |
| | Information Technology-60 | | | CSE-90 | | | |
| | Biotech-30 | | | | | | |
| 4 | Electrical Engineering-60 | 2003 | 360 | ME-60 | 2003 | 12.05.2003 | - |
| | Electronics & Communication Engineering-60 | | | | | | |
| | Computer Science and Engineering-90 | | | | | | |
| | Information Technology-60 | | | | | | |
| | Biotech-30 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |
| 5 | Electrical Engineering-60 | 2004 | 420 | ECE-30 CSE-30 | 2004 | 25.06.2004 | - |
| | Electronics & Communication Engineering-90 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-60 | | | | | | |
| | Biotech-30 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |
| 6 | Electrical Engineering-60 | 2005 | 420 | - | - | 27.06.2005 | - |
| | Electronics & Communication Engineering-90 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-60 | | | | | | |
| | Biotech-30 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |
| 7 | Electrical Engineering-60 | 2006 | 420 | - | - | 20.06.2006 | - |
| | Electronics & Communication Engineering-90 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-60 | | | | | | |
| | Biotech-30 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |

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|----|---|------|-----|--|------|------------|--|
| 8 | Electrical Engineering-60 | 2007 | 420 | - | - | 21.05.2007 | - |
| | Electronics & Communication Engineering-90 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-60 | | | | | | |
| | Biotech-30 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |
| 9 | Electrical Engineering-30 | 2008 | 420 | ECE-30 IT-30 Decrease- EE-30 Biotech-30 | - | 22.07.2008 | - |
| | Electronics & Communication Engineering-120 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-60 | | | | | | |
| 10 | Civil Engineering-60 | 2009 | 540 | EE-30 ME-30 CE-60 | 2009 | 23.08.2010 | 2 Branch (CSE & ECE) dated 02.03.2009 |
| | Electrical Engineering-60 | | | | | | |
| | Electronics & Communication Engineering-120 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-90 | | | | | | |
| 11 | Civil Engineering-60 | 2010 | 540 | - | - | 23.08.2010 | 2 Branch (CSE & ECE) dated 02.03.2009 |
| | Electrical Engineering-60 | | | | | | |
| | Electronics & Communication Engineering-120 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-90 | | | | | | |
| 12 | Civil Engineering-60 | 2011 | 600 | ECE-60 | 2011 | 01.09.2011 | 2 Branch (CSE & ECE) dated 02.03.2009 |
| | Electrical Engineering-60 | | | | | | |
| | Electronics & Communication Engineering-180 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-90 | | | | | | |

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|----|---|------|-----|--------------------------|------|------------|---|
| | Mechanical Engineering-90 | | | | | | |
| 13 | Civil Engineering-120 | 2012 | 750 | CE-60 ECE-60 ME-30 | 2012 | 10.05.2012 | - |
| | Electrical Engineering-60 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-120 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-120 | | | | | | |
| 14 | Civil Engineering-120 | 2013 | 870 | EE-60 CSE-60 | 2013 | 19.03.2013 | - |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-120 | | | | | | |
| 15 | Civil Engineering-120 | 2014 | 870 | - | - | 02.07.2014 | - |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-120 | | | | | | |
| 16 | Civil Engineering-120 | 2015 | 870 | - | - | 07.04.2015 | - |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-120 | | | | | | |
| 17 | Civil Engineering-120 | 2016 | 870 | - | - | 05.04.2016 | - |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |

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|----------------------------|---|------|-----|---|---|------------|--|
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| | Mechanical Engineering-120 | | | | | | |
| 18 | Civil Engineering-120 | 2017 | 870 | - | - | 30.03.2017 | - |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| Mechanical Engineering-120 | | | | | | | |
| 19 | Civil Engineering-120 | 2018 | 870 | - | - | 04.04.2018 | CSE,ECE,ME Eligible and applying Ist time IT,EE,CE-Eligible but not applied |
| | Electrical Engineering-120 | | | | | | |
| | Electronics & Communication Engineering-240 | | | | | | |
| | Computer Science and Engineering-180 | | | | | | |
| | Information Technology-90 | | | | | | |
| Mechanical Engineering-120 | | | | | | | |

2nd Shift

| S. No | Program Name (B.Tech) | Year of Start | Intake | Increase Intake, if any | Year of Increase | AICTE approval | Accreditation |
|-------|-------------------------------------|---------------|--------|-------------------------|------------------|----------------|---------------|
| 1 | Mechanical Engineering-60 | 2012 | 60 | - | - | 10.05.2012 | - |
| 2 | Computer Science and Engineering-60 | 2013 | 120 | 60 | 2013 | 19.03.2013 | - |
| | Mechanical Engineering-60 | | | | | | |
| 3 | Computer Science and Engineering-60 | 2014 | 120 | - | - | 02.07.2014 | - |
| | Mechanical Engineering-60 | | | | | | |
| 4 | Computer Science and Engineering-60 | 2015 | 120 | - | - | 07.04.2015 | - |
| | Mechanical Engineering-60 | | | | | | |
| 5 | Computer Science and Engineering-60 | 2016 | 120 | - | - | 05.04.2016 | - |
| | Mechanical Engineering-60 | | | | | | |
| 6 | Computer Science and Engineering-60 | 2017 | 120 | - | - | 30.03.2017 | - |
| | Mechanical Engineering-60 | | | | | | |

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|---|-------------------------------------|------|-----|---|---|------------|-------------------------------------|
| 7 | Computer Science and Engineering-60 | 2018 | 120 | - | - | 04.04.2018 | CS & ME Eligible but not applied |
| | Mechanical Engineering-60 | | | | | | |

Write Applicable One:

- Applying first time
- Granted Provisional Accreditation for two/three years for the period (specify period)
- Granted accreditation for 5/6 years for the period (specify period)
- No accredited (Specify visit dates, year)
- Withdrawn (Specify vision dates, year)
- Not eligible for accreditation
- Eligible but not applied

A11. Program to be Considered for Accreditation vide this application:

| S. No | Program name |
|-------|---|
| 1 | Electronics & Communication Engineering |

A12. Total Number of employees in the Institution:

A. Regular* Employee (Faculty and Staff)

| Items | | CAY | | CAYm1 | | CAYm2 | |
|---------------------------------------|---|-----|-----|-------|-----|-------|-----|
| | | Min | Max | Min | Max | Min | Max |
| Faculty in Engineering | M | 120 | 132 | 114 | 129 | 102 | 117 |
| | F | 57 | 71 | 56 | 61 | 39 | 61 |
| Faculty in Math, Science & Humanities | M | 9 | 14 | 13 | 17 | 15 | 17 |
| | F | 20 | 25 | 24 | 29 | 21 | 28 |
| Non-Teaching Staff | M | 91 | 106 | 87 | 100 | 81 | 93 |
| | F | 12 | 14 | 12 | 13 | 9 | 12 |

A13. Contractual Staff Employees (Faculty and Staff): (Non Covered in Table A)

| Items | | CAY | | CAYm1 | | CAYm2 | |
|------------------------|---|-----|-----|-------|-----|-------|-----|
| | | Min | Max | Min | Max | Min | Max |
| Faculty in Engineering | M | 7 | 7 | 7 | 7 | 6 | 6 |



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| | | | | | | | |
|--|---|---|---|---|---|---|---|
| | F | 0 | 0 | 0 | 0 | 0 | 0 |
| Faculty in Math, Science & Humanities | M | 0 | 0 | 0 | 0 | 0 | 0 |
| | F | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-Teaching Staff | M | 0 | 0 | 0 | 0 | 0 | 0 |
| | F | 0 | 0 | 0 | 0 | 0 | 0 |

1. Vision of the Institution:

- To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment in the lives of individuals and communities.

2. Mission of the Institution:

- Focus on evaluation of learning outcome and motivate students to inculcate research aptitude by project based learning.
- Identity based on informed perception of Indian, regional and global needs and the areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

3. Contact Information of the Head of the Institution and NBA Coordinator, If designated:

1. Name : Dr. Vinay Kumar Chandna
2. Designation : Principal
3. Mobile No. : 9891406784
4. Email ID : principal@jecrcmail.com

4. NBA Coordinator, if designated:

1. Name : Mr. Manish Jain
2. Designation : Dy. Director (Special Projects)
3. Mobile No. : 7229823455
4. Email ID : dydirector.sp@jecrc.ac.in

Part B: Criteria Summary

Name of the Program: Electronics & Communication Engineering

| S.No. | Criteria | Mark/ Weight |
|---------------------------------|---|-----------------|
| Program Level Criteria | | |
| 1 | Vision, Mission and Program Educational Objectives | 60 |
| 2 | Program Curriculum and Teaching – Learning Processes | 120 |
| 3 | Course Outcomes and Program Outcomes | 120 |
| 4 | Students' Performance | 150 |
| 5 | Faculty Information and Contributions | 200 |
| 6 | Facilities and Technical Support | 80 |
| 7 | Continuous Improvement | 50 |
| Institute Level Criteria | | |
| 8 | First Year Academics | 50 |
| 9 | Student Support Systems | 50 |
| 10 | Governance, Institutional Support and Financial Resources | 120 |
| Total | | 1000 |

| | | |
|-------------|--|----|
| CRITERION 1 | Vision, Mission and Program Educational Objectives | 60 |
|-------------|--|----|

1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

1.1 State the Vision and Mission of the Department and Institute (5)

(Vision statement typically indicates aspirations and Mission Statement states the broad approach to achieve aspirations)

(Here Institute Vision and Mission statements have been asked to ensure consistency with the department Vision and Mission statements; the assessment of the Institute Vision and Mission will be taken up in Criterion 10)

VISION OF ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

To contribute to the society through excellence in scientific and technical education, teaching and research aptitude in Electronics & Communication Engineering to meet the needs of Global Industry.

MISSION OF ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

- M1.** To equip the students with strong foundation of basic sciences and domain knowledge of Electronics & Communication Engineering, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path.
- M2.** To induce the habits of lifelong learning in order to continuously enhance overall performance.
- M3.** Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual.
- M4.** To make the students responsive towards the ethical, social, environmental and economical growth of the society.

VISION OF JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

To become a renowned center of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

MISSION OF JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

- M1.** Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
- M2.** Identify, based on informed perception of Indian, regional and global needs, areas of

Department of Electronics & Communication Engineering

focus and provide platform to gain knowledge and solutions.

M3. Offer opportunities for interaction between academia and industry.

M4. Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

| | |
|--|---|
| Vision of the Institute | To become a renowned center of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities. |
| Vision of the Department | 3 |
| To contribute to the society through excellence in scientific and technical education, teaching and research aptitude in Electronics and Communication Engineering to meet the needs of Global Industry. | |

Table 1.1.1: Mapping of Institute vision with department Vision

Justification:

The above table shows the consistency of Vision of institute with vision of the department. The reasons behind marking High, Medium and Low are as follows:

Vision is divided into keywords and then correlation is checked with vision of institute.

After taking the feedback from all the faculty members of the department if the consistency found is above 90%, (✓) is marked. If consistency is found between 75-90%, the particular block is left blank.

Why High:

If (✓) is marked in all blocks i.e. all the keywords of vision are found consistent with the vision of institute so it must be rated high.

Medium:

If ✓ is marked in 50% or above blocks i.e. Vision is moderately consistent with the vision of the department.

| | |
|------------------------------------|---|
| Vision of Institute | To become a renowned center of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities. |
| Keywords Of Vision of ECE | |
| Contribute in scientific education | ✓ |
| Contribute in technical education | ✓ |
| Contribute to society | ✓ |
| Global existence | ✓ |

Table 1.1.2: Justification of mapping of Institute vision with department Vision

Mapping of Institute Mission with department Mission

| | | | | |
|--|--|---|--|---|
| Mission of the Institute | Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning. | Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions. | Offer opportunities for interaction between academia and industry. | Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions. |
| Mission of the Department | | | | |
| To equip the students with strong foundation of basic sciences and | 3 | 2 | 3 | 2 |



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| | | | | |
|---|---|---|---|---|
| domain knowledge of Electronics & Communication Engineering, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | | | | |
| To induce the habits of lifelong learning in order to continuously enhance overall performance. | 3 | 2 | 3 | 3 |
| Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | 3 | 3 | 3 | 3 |
| To make the students responsive towards the ethical, social, environmental and economical growth of the society. | 2 | 3 | 3 | 3 |

Table 1.1.3: Mapping of Institute Mission with department Mission

Justification:

The above table shows the consistency of mission of institute with mission of the department. The reasons behind marking High (3), Medium (2) and Low (1) are as follows: Mission is divided into keywords and then correlation is checked with mission of institute. After taking the feedback from all the faculty members of the department if the consistency found is above 90%, (✓) is marked. If consistency is found between 75-90%, the particular block is left blank.

Why High (3):

If (✓) is marked in all blocks i.e. all the keywords of mission are found consistent with the mission of institute so it must be rated high.

Medium (2):

If ✓ is marked in 50% or above blocks i.e. mission is moderately consistent with the mission of the department.

| | | | | |
|--|--|---|--|---|
| Mission of Institute M1 of ECE Keywords | Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning. | Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions. | Offer opportunities for interaction between academia and industry. | Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions. |
| Knowledge of basic sciences | ✓ | | ✓ | |
| Knowledge of ECE | ✓ | ✓ | ✓ | ✓ |
| Apply knowledge for designing. | ✓ | ✓ | ✓ | ✓ |

Table 1.1.4: Justification of mapping of Institute Mission with department Mission 1

| | | | | |
|--|--|---|--|--|
| Mission of Institute M2 of ECE Keywords | Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning. | Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions. | Offer opportunities for interaction between academia and industry. | Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge |
|--|--|---|--|--|



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| | | | | |
|---------------------|---|---|---|----------------------------|
| | | | | in a range of professions. |
| Lifelong learning | ✓ | ✓ | ✓ | ✓ |
| Overall performance | ✓ | | ✓ | ✓ |

Table 1.1.5: Justification of mapping of Institute Mission with department Mission 2

| | | | | |
|--|--|---|--|---|
| Mission of Institute M3 of ECE Keywords | Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning. | Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions. | Offer opportunities for interaction between academia and industry. | Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions. |
| Communication skills | ✓ | ✓ | ✓ | ✓ |
| Team work | ✓ | ✓ | ✓ | ✓ |

Table 1.1.6: Justification of mapping of Institute Mission with department Mission 3

| | | | | |
|--|--|---|--|---|
| Mission of Institute M4 of ECE Keywords | Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning. | Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions. | Offer opportunities for interaction between academia and industry. | Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions. |
| Ethical values | | ✓ | ✓ | ✓ |
| Social responsibility | ✓ | ✓ | ✓ | ✓ |
| Environmental growth | | ✓ | ✓ | ✓ |
| Economical growth | ✓ | ✓ | ✓ | ✓ |

Table 1.1.7: Justification of mapping of Institute Mission with department Mission 4

1.2 State the Program Educational Objectives (PEOs) (5)

(State the PEOs (3 to 5) of program seeking accreditation)

Program Educational Objectives

PEO1. To provide students with the fundamentals of engineering sciences with more emphasis in Electronics & Communication Engineering by way of analyzing and exploiting electronics & communication challenges.

PEO2. To train students with good scientific and Electronics & Communication Engineering knowledge so as to comprehend, analyze, design and create electronics & communication based novel products and solutions for the real life problems.



- PEO3.** To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate Electronics & Communication Engineering with social issues.
- PEO4.** To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful Electronics & Communication Engineering professional career.
- PEO5.** To prepare students to excel in electronics & communication based industry and higher education by educating students in Electronics & Communication Engineering field along with high moral values and knowledge.

1.3. Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

(Describe where (websites, curricula, posters etc.) the Vision, Mission and PEOs are published and detail the process which ensures awareness among internal and external stakeholders with effective process implementation)

(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

Places/person where Vision, Mission and PEOs are published and disseminated

- IQAC has defined process for the dissemination of vision / mission / program outcomes (PO's) / Program Educational Outcomes (PEO's) among the stakeholders.
- The Vision, Mission and PEOs are published in appropriate place in the department where students, faculty members and other stakeholders can read clearly.
- The Vision, Mission and PEOs are published in the departmental Conference proceedings, FDPs, Workshops, course files of faculty members and Newsletters etc. to interact with the stakeholders.
- The Vision, Mission and PEOs are disseminated by alumni and industry through various online and offline mediums.
- The TPO (Training Placement Officer) and SDO (Student Development Officer) are directly connected with the stakeholders, interacting with them regularly.
- The Vision, Mission and PEOs are disseminated to the administrative bodies and professional bodies through various online and offline mediums.
- The faculty member also discussed vision, mission, and PEOs with the students in their first-class of interaction with students.

1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)

(Articulate the process for defining the Vision and Mission of the department and PEOs of the program)

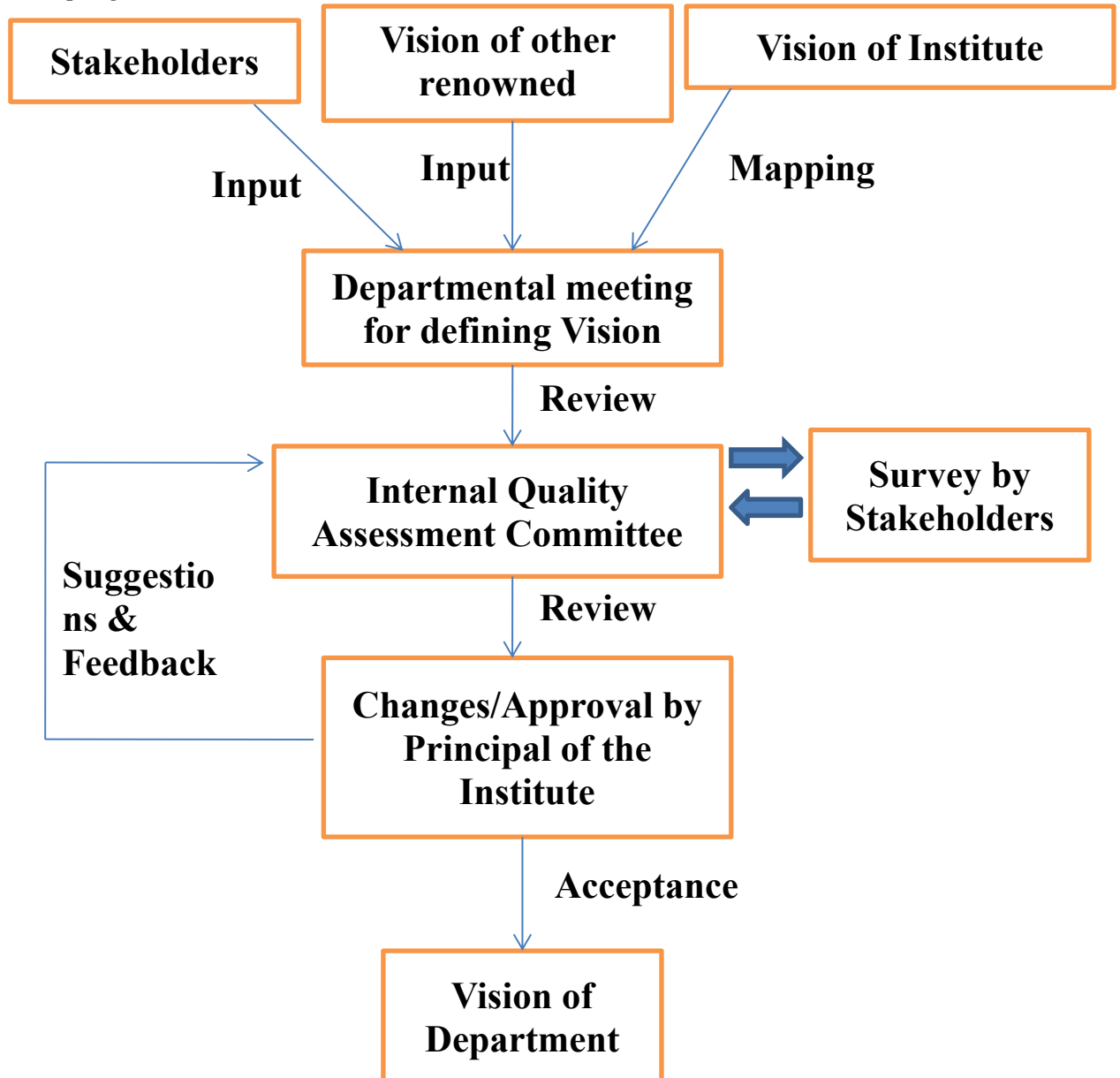


Figure 1.1 Flowchart of defining Vision

With the active participation of HOD, Internal Quality Assessment Committee, faculty members and staff along with the continuous feedback from stakeholders, the Vision and Mission statement of the department was developed in alignment with Vision and Mission of the Institute.

- These statements are discussed further among faculty members before finalization.

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- These statements are discussed among students also before finalization.
- The new Vision and Mission statements are sent to the Internal Quality Assessment Committee for changes.

Finally the Vision and Mission are approved by the Principal of Institution.

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Vision Evaluation Form | | | | | | |
| S.N. | Vision | 5 | 4 | 3 | 2 | 1 |
| 1 | The Mission of the ECE Department is to facilitate young Engineers to acquire technical exposure in the areas of Electronics and Communication Engineering, provide World Class Education, nurture career improvement and develop human and social intellectual qualities necessary for the successful practice of the profession. | | ✓ | | | |
| 2 | To contribute to the society through excellence in scientific and technical education, teaching and research aptitude in Electronics and Communication Engineering to meet the needs of Global Industry. | ✓ | | | | |
| 3 | Producing innovative, creative and ethical Electronics & Communication Engineers with research focus to meet socio-economic needs | | | ✓ | | |
| 4 | To be an internationally renowned institution of higher learning in research, innovation, publication and teaching. | | | | | ✓ |

Name & Signature *Shivani Sharma Shivani*

Designation & Organization *Student*

Student Feedback Form of Vision

Department of Electronics & Communication Engineering

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Vision Evaluation Form | | | | | | |
| S.N. | Vision | 5 | 4 | 3 | 2 | 1 |
| 1 | The Mission of the ECE Department is to facilitate young Engineers to acquire technical exposure in the areas of Electronics and Communication Engineering, provide World Class Education, nurture career improvement and develop human and social intellectual qualities necessary for the successful practice of the profession. | | ✓ | | | |
| 2 | To contribute to the society through excellence in scientific and technical education, teaching and research aptitude in Electronics and Communication Engineering to meet the needs of Global Industry. | ✓ | | | | |
| 3 | Producing innovative, creative and ethical Electronics & Communication Engineers with research focus to meet socio-economic needs | | | ✓ | | |
| 4 | To be an internationally renowned institution of higher learning in research, innovation, publication and teaching. | | | | ✓ | |

Name & Signature *Arjun Kumar Malpani*

Designation & Organization *(Parents)*

Parents Feedback Form of Vision

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Vision Evaluation Form | | | | | | |
| S.N. | Vision | 5 | 4 | 3 | 2 | 1 |
| 1 | The Mission of the ECE Department is to facilitate young Engineers to acquire technical exposure in the areas of Electronics and Communication Engineering, provide World Class Education, nurture career improvement and develop human and social intellectual qualities necessary for the successful practice of the profession. | | | ✓ | | |
| 2 | To contribute to the society through excellence in scientific and technical education, teaching and research aptitude in Electronics and Communication Engineering to meet the needs of Global Industry. | ✓ | | | | |
| 3 | Producing innovative, creative and ethical Electronics & Communication Engineers with research focus to meet socio-economic needs | | | | ✓ | |
| 4 | To be an internationally renowned institution of higher learning in research, innovation, publication and teaching. | | | ✓ | | |

Name & Signature *vivek kumar shukla*

Designation & Organization *(Alumni)*

Alumni Feedback Form of Vision

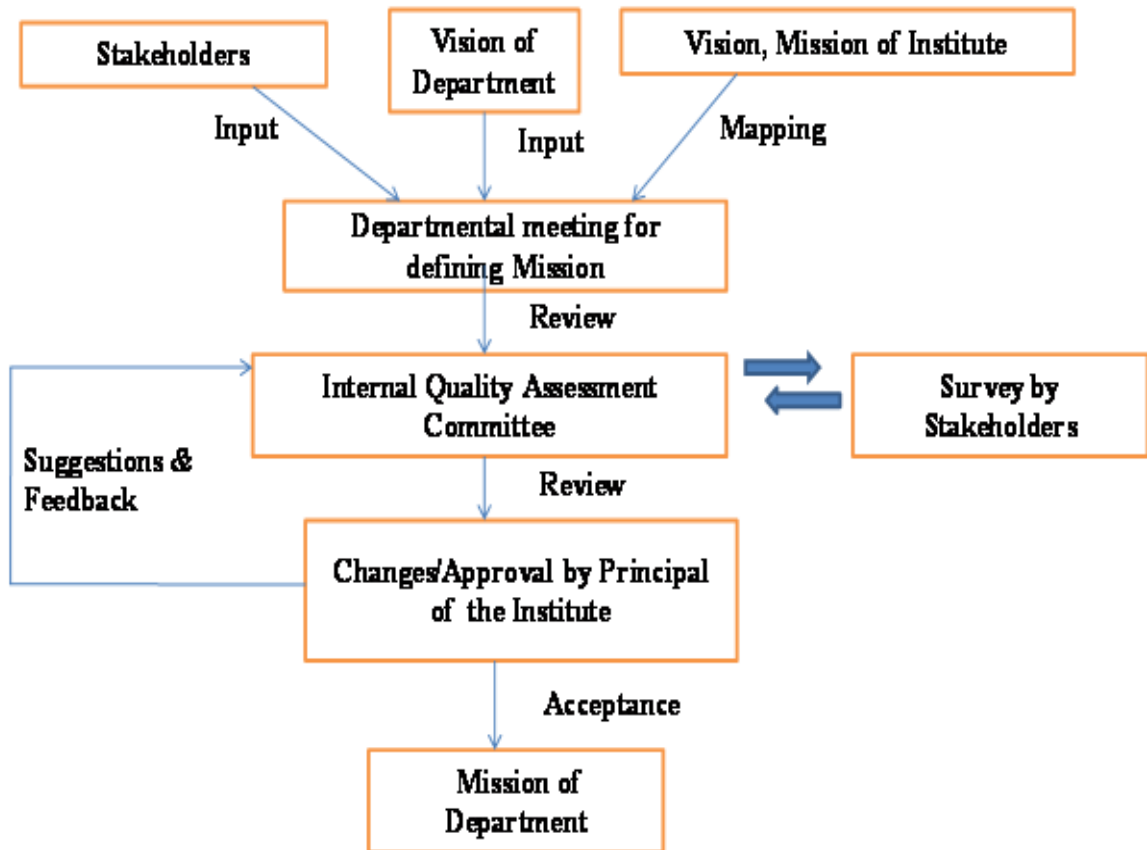


Figure 1.2 Flowchart of defining Mission

Department of Electronics & Communication Engineering

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Mission evaluation form | | | | | | |
| S.N. | Mission | 5 | 4 | 3 | 2 | 1 |
| 1 | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | ✓ | | | | |
| 2 | Promote the establishment of centres of excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students | | | ✓ | | |
| 3 | To induce the habit of lifelong learning to continuously enhance overall performance | ✓ | | | | |
| 4 | To impart high quality education to enable students to face the challenges in the fields of Electronics and Communication Engineering | | | | | ✓ |
| 5 | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | ✓ | | | | |
| 6 | Providing self directed learning opportunities to meet a variety of career choices | | | ✓ | | |
| 7 | Our Mission is to impart cutting edge technologies through state-of-art infrastructure with a human touch | | ✓ | | | |
| 8 | To make the students responsive towards the ethical, social, environmental and in economic context for the society | ✓ | | | | |

Name & Signature: *Naveen*
Naveen Mansingh
 Designation & Organization: *Student*

Student Feedback Form of Mission

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Mission evaluation form | | | | | | |
| S.N. | Mission | 5 | 4 | 3 | 2 | 1 |
| 1 | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | ✓ | | | | |
| 2 | Promote the establishment of centres of excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students | | | ✓ | | |
| 3 | To induce the habit of lifelong learning to continuously enhance overall performance | | ✓ | | | |
| 4 | To impart high quality education to enable students to face the challenges in the fields of Electronics and Communication Engineering | | | | | |
| 5 | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | ✓ | ✓ | | | |
| 6 | Providing self directed learning opportunities to meet a variety of career choices | | | ✓ | | |
| 7 | Our Mission is to impart cutting edge technologies through state-of-art infrastructure with a human touch | | | ✓ | | |
| 8 | To make the students responsive towards the ethical, social, environmental and in economic context for the society | ✓ | | | | |

Name & Signature: *Ratan*
Ratan Singh Jaiswal
 Designation & Organization: *(Parents)*

Parents Feedback Form of Mission



Department of Electronics & Communication Engineering

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|--|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| Mission evaluation form | | | | | | |
| S.N. | Mission | 5 | 4 | 3 | 2 | 1 |
| 1 | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | ✓ | | | | |
| 2 | Promote the establishment of centres of excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students | | ✓ | | | |
| 3 | To induce the habit of lifelong learning to continuously enhance overall performance | ✓ | | | | |
| 4 | To impart high quality education to enable students to face the challenges in the fields of Electronics and Communication Engineering | | | ✓ | | |
| 5 | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | ✓ | | | | |
| 6 | Providing self directed learning opportunities to meet a variety of career choices | | | | ✓ | |
| 7 | Our Mission is to impart cutting edge technologies through state-of-art infrastructure with a human touch | | | | | ✓ |
| 8 | To make the students responsive towards the ethical, social, environmental and in economic context for the society | ✓ | | | | |

Ankush khalel
 Name & Signature

(ALUMNI)
 Designation & Organization

Alumni Feedback Form of Mission

Professional body Feedback Form of Mission

PEOs are the characteristics of graduates of a program, which enable the students to become successful professionals in their field. The department has documented measurable PEOs for its Bachelor of Technology in Computer Science Engineering programmed taking into account the program's constituencies and the mission of college. The PEOs are established in the light of the vision and mission statements of the department.

Our process for establishing and revising Program Educational Objectives (PEOs) is depicted in Figure 1.3 below. Vision and Mission of the Institute, Department and Graduate attributes recommended by NBA are taken as directorial factors in forming the PEOs. Stakeholder inputs are obtained through extensive surveys with follow-up telephone calls by the Department HOD and associated faculties.

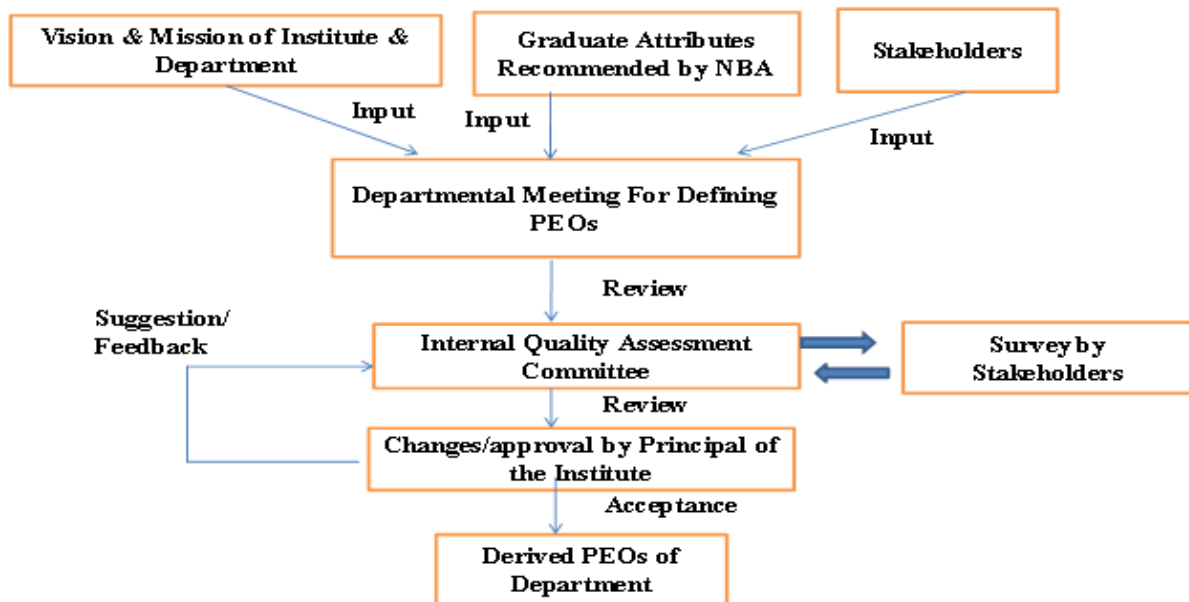


Figure 1.3 Flowchart of defining PEO

Department of Electronics & Communication Engineering

| Jaipur Engineering college & Research Centre, Jaipur Department of Electronics & Communication Engineering Jaipur Engineering college & Research Centre, Jaipur PEO's evaluation form | | | | | | |
|--|---|---|---|---|---|---|
| S.N. | Program Educational Objectives | 5 | 4 | 3 | 2 | 1 |
| 1 | To provide students with the fundamentals of Engineering Sciences with more mphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | ✓ | | | | |
| 2 | To accommodate graduates with an academic and holistic environment dedicated to virtue and innovation that contributes to their overall development. | | ✓ | | | |
| 3 | To prepare graduates who can be employed in fields of engineering such as design, research and development, applications, testing, processing, quality, and technical sales or service and serve society. | | | ✓ | | |
| 4 | To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | | ✓ | | | |
| 5 | To provide the student with the knowledge of basic sciences, mathematics, engineering and computer science so that the student has the ability to systematically delineate and solve electronics and related engineering problems and student is able to design, development and analyze electronics and related systems. | ✓ | | | | |
| 6 | To develop a strong foundation of knowledge and hands-on competence in fundamental and applied electronics and communications by amalgamation of common descriptions in other systems. | | ✓ | | | |
| 7 | To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | ✓ | | | | |
| 8 | To inculcate foundational competencies: professionalism, self awareness and care, relational abilities, diversity competence and ethical standards so that a graduate can develop skills to work as members of multi disciplinary teams and to communicate effectively. | | | ✓ | | |
| 9 | To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | | ✓ | | | |
| 10 | To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | ✓ | | | | |

Name & Signature **ROHIT SINGHVI**
 Designation & Organization **STUDENT**

Student Feedback Form of PEO

| Jaipur Engineering college & Research Centre, Jaipur Department of Electronics & Communication Engineering Jaipur Engineering college & Research Centre, Jaipur PEO's evaluation form | | | | | | |
|--|---|---|---|---|---|---|
| S.N. | Program Educational Objectives | 5 | 4 | 3 | 2 | 1 |
| 1 | To provide students with the fundamentals of Engineering Sciences with more mphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | ✓ | | ✓ | | |
| 2 | To accommodate graduates with an academic and holistic environment dedicated to virtue and innovation that contributes to their overall development. | | | ✓ | | |
| 3 | To prepare graduates who can be employed in fields of engineering such as design, research and development, applications, testing, processing, quality, and technical sales or service and serve society. | | ✓ | | | |
| 4 | To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | ✓ | | | | |
| 5 | To provide the student with the knowledge of basic sciences, mathematics, engineering and computer science so that the student has the ability to systematically delineate and solve electronics and related engineering problems and student is able to design, development and analyze electronics and related systems. | | | ✓ | | |
| 6 | To develop a strong foundation of knowledge and hands-on competence in fundamental and applied electronics and communications by amalgamation of common descriptions in other systems. | | | ✓ | | |
| 7 | To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | | ✓ | | | |
| 8 | To inculcate foundational competencies: professionalism, self awareness and care, relational abilities, diversity competence and ethical standards so that a graduate can develop skills to work as members of multi disciplinary teams and to communicate effectively. | | | ✓ | | |
| 9 | To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | | ✓ | | | |
| 10 | To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | ✓ | | | | |

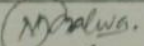
Name & Signature **POKHRAJ BUMB**
 Designation & Organization **(PARENTS)**

Parents Feedback Form of PEO



Department of Electronics & Communication Engineering

| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
|---|---|---|---|---|---|---|
| Department of Electronics & Communication Engineering | | | | | | |
| Jaipur Engineering college & Research Centre, Jaipur | | | | | | |
| PEO's evaluation form | | | | | | |
| S.N. | Program Educational Objectives | 5 | 4 | 3 | 2 | 1 |
| 1 | To provide students with the fundamentals of Engineering Sciences with more emphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | ✓ | | | | |
| 2 | To accommodate graduates with an academic and holistic environment dedicated to virtue and innovation that contributes to their overall development. | | | ✓ | | |
| 3 | To prepare graduates who can be employed in fields of engineering such as design, research and development, applications, testing, processing, quality, and technical sales or service and serve society. | | ✓ | | | |
| 4 | To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | ✓ | | | | |
| 5 | To provide the student with the knowledge of basic sciences, mathematics, engineering and computer science so that the student has the ability to systematically delineate and solve electronics and related engineering problems and student is able to design, development and analyze electronics and related systems. | | ✓ | | | |
| 6 | To develop a strong foundation of knowledge and hands-on competence in fundamental and applied electronics and communications by amalgamation of common descriptions in other systems. | | | ✓ | | |
| 7 | To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | ✓ | | | | |
| 8 | To inculcate foundational competencies: professionalism, self awareness and care, relational abilities, diversity competence and ethical standards so that a graduate can develop skills to work as members of multi disciplinary teams and to communicate effectively. | | | ✓ | | |
| 9 | To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | ✓ | | | | |
| 10 | To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | ✓ | | | | |


 Name & Signature (Neeraj Malwa)
 Designation & Organization (Alumni)

Alumni Feedback Form of PEO

1.5. Establish consistency of PEOs with Mission of the Department (15)

- Department has prepared PEOs and Mission mapping format and circulated to the stakeholders.
- Stakeholders did the mapping and submitted to department for finalization.
- Analysis of the mapping submitted by the stake holders is carried out and based on below mentioned criteria mapping is finalized.

(Generate a “Mission of the Department – PEOs matrix” with justification and rationale of the mapping)

Note: M1, M2,Mn are distinct elements of Mission statement. Enter correlation levels 1, 2 or 3as defined below:

1: slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation put”-”

| PEO's ↓ | MISSION → | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | To induce the habits of lifelong learning in order to continuously enhance overall performance. | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economical growth of the society. |
|--|--------------|--|---|--|--|
| To provide students with the fundamentals of engineering sciences with more emphasis in Electronics & Communication Engineering by way of analyzing and exploiting electronics & communication challenges. | | 3 | 2 | 3 | 2 |
| To train students with good scientific and Electronics & Communication Engineering knowledge so as to comprehend, analyze, design and create electronics & communication based novel products and solutions for the real life problems. | | 3 | 3 | 3 | 2 |
| To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate Electronics & Communication Engineering with social issues. | | 2 | 2 | 3 | 3 |
| To provide students with an academic environment | | 2 | 3 | 2 | 3 |

Department of Electronics & Communication Engineering

| | | | | |
|---|---|---|---|---|
| aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful Electronics & Communication Engineering professional career | | | | |
| To prepare students to excel in electronics & communication based industry and higher education by educating students in Electronics & Communication Engineering field along with high moral values and knowledge | 3 | 3 | 2 | 2 |

Table 1.5.1: Mapping of PEOs with Mission

Justification:

The above table shows the consistency of PEOs with Mission of the department. The reasons behind marking High, Medium and Low are as follows: PEO's are divided into keywords and then correlation is checked with all missions.

After taking the feedback from all the faculty members of the department if the consistency found is above 90%, (✓) is marked. If consistency is found between 75-90%, the particular block is left blank.

Why High:

If (✓) is marked in all blocks i.e. all the keywords of PEO are found consistent with the mission so it must be rated high.

Medium:

If ✓ is marked in 50% or above blocks i.e. PEO is moderately consistent with the mission of the department.

| | | | | | |
|--|---|--|---|--|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">PEO 1 Keywords</div> ↓ | <div style="border: 1px solid black; padding: 5px; display: inline-block;">MISSION</div> → | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | To induce the habits of lifelong learning in order to continuously enhance overall performance. | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economical growth of the society. |
| Fundamentals of Engineering Sciences. | ✓ | | | ✓ | |
| Analyzing and exploiting engineering challenges. | ✓ | | ✓ | ✓ | ✓ |

Table 1.5.2: Justification of mapping of PEO 1 with Mission

| | | | | | |
|--|---|--|----------------------------------|--|---|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">PEO 2 Keywords</div> ↓ | <div style="border: 1px solid black; padding: 5px; display: inline-block;">MISSION</div> → | To equip the students with strong foundation of basic sciences and | To induce the habits of lifelong | Students are able to communicate their ideas | To make the students responsive towards the |
|--|---|--|----------------------------------|--|---|



Department of Electronics & Communication Engineering

| | | | | |
|---|---|--|---|--|
| | domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | learning in order to continuously enhance overall performance. | clearly and concisely so that they can work in team as well as an individual. | ethical, social, environmental and economical growth of the society. |
| Good scientific and engineering knowledge. | ✓ | ✓ | ✓ | |
| Create novel products and solutions for the real life problems. | ✓ | ✓ | ✓ | ✓ |

Table 1.5.3: Justification of mapping of PEO 2 with Mission

| | | | | | |
|--|---|--|---|--|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">PEO 3 Keywords</div> ↓ | <div style="border: 1px solid black; padding: 5px; display: inline-block;">MISSION</div> → | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | To induce the habits of lifelong learning in order to continuously enhance overall performance. | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economical growth of the society. |
| Professional and ethical attitude. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Communication skills, teamwork skills. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Multidisciplinary approach. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Entrepreneurial thinking. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Relate engineering issues with social issues. | ✓ | ✓ | ✓ | ✓ | ✓ |

Table 1.5.4: Justification of mapping of PEO 3 with Mission

| | | | | | |
|---|---|--|---|--|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">PEO4 Keywords</div> ↓ | <div style="border: 1px solid black; padding: 5px; display: inline-block;">MISSION</div> → | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | To induce the habits of lifelong learning in order to continuously enhance overall performance. | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economical growth of the society. |
| Academic environment aware of excellence, leadership, written ethical codes. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Successful professional career. | ✓ | ✓ | ✓ | ✓ | ✓ |
| Self-motivated life-long learning. | ✓ | ✓ | ✓ | ✓ | ✓ |

Table 1.5.5: Justification of mapping of PEO 4 with Mission



Department of Electronics & Communication Engineering

| | | | | | |
|--|--|--|---|--|--|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">PEO5 Keywords</div> | <div style="border: 1px solid black; padding: 5px; display: inline-block;">MISSION</div> | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to design solution of problems arising in their career path. | To induce the habits of lifelong learning in order to continuously enhance overall performance. | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economical growth of the society. |
| Excel in Industry and Higher education. | ✓ | ✓ | ✓ | | |
| High moral values and Knowledge. | ✓ | ✓ | | | ✓ |

Table 1.5.6: Justification of mapping of PEO 5 with Mission

| <div style="display: flex; justify-content: space-between;"> PEOs Mission </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> ↓ → </div> | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | To induce the habit of lifelong learning to continuously enhance overall performance | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and in economic context for the society |
|---|--|--|--|--|
| 1. To provide students with the fundamentals of Engineering Sciences with more emphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | 2 | 2 | 2 | 1 |
| 2. To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | 3 | 3 | 3 | 3 |
| 3. To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | 3 | 2 | 3 | 2 |
| 4. To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | 3 | 3 | 3 | 1 |
| 5. To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | 2 | 2 | 2 | 3 |

Note: The above table shows the consistency of PEOs with Mission of the department. Kindly provide the marking as a. If you Agree >70% Mark 2 b. If you agree 50%-60% then mark 1 c. If your agreement is below 50% mark 0.

Dr. Jawed Khan (Faculty)
 Name & Signature of (Student/Parent)

Jawed Khan
 Designation & Organization (In case of Parents) / Roll No. & Class (In case of Students)

Faculty Feedback Form of PEO

Department of Electronics & Communication Engineering

| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> PEOs ↓ </div> <div style="text-align: center;"> Mission → </div> </div> | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | To induce the habit of lifelong learning to continuously enhance overall performance | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economic context for the society |
|---|--|--|--|---|
| 1. To provide students with the fundamentals of Engineering Sciences with more emphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | 3 | 3 | 2 | 2 |
| 2. To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | 3 | 2 | 3 | 3 |
| 3. To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | 3 | 3 | 2 | 2 |
| 4. To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | 2 | 3 | 3 | 1 |
| 5. To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | 3 | 2 | 3 | 3 |

Note: The above table shows the consistency of PEOs with Mission of the department. Kindly provide the marking as a. If you Agree >70% Mark 2 b. If you agree 50%-60% then mark 1 c. If your agreement is below 50% mark 0.

K. Chaudhary (Karan Chaudhary)
Name & Signature of (Student/Parent)

Parent
Designation & Organization (In case of Parents) / Roll No. & Class (In case of Students)

Parent Feedback Form of PEO

Department of Electronics & Communication Engineering

| <div style="display: flex; justify-content: space-between;"> PEOs Mission </div> | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | To induce the habit of lifelong learning to continuously enhance overall performance | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and economic context for the society |
|--|--|--|--|---|
| 1. To provide students with the fundamentals of Engineering Sciences with more emphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | 2 | 3 | 3 | 1 |
| 2. To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | 3 | 2 | 1 | 2 |
| 3. To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | 3 | 2 | 3 | 3 |
| 4. To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | 1 | 2 | 2 | 3 |
| 5. To prepare students to excel in industry and Higher education by Educating Students along with High moral values and Knowledge. | 2 | 3 | 3 | 2 |

Note: The above table shows the consistency of PEOs with Mission of the department. Kindly provide the marking as a. If you Agree >70% Mark 2 b. If you agree 50%-60% then mark 1 c. If your agreement is below 50% mark 0.

ALUMNI

Name & Signature of (Student/Parent) NAMAN CHUGH

Designation & Organization (In case of Parents) / Roll No. & Class (In case of Students)

Alumini Feedback Form of PEO

Department of Electronics & Communication Engineering

| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> Mission <hr style="width: 50%; margin: 5px auto;"/> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> PEOs </div> </div> </div> </div> | To equip the students with strong foundation of basic sciences and domain knowledge of ECE, so that they are able to creatively apply their knowledge to the solution of problems arising in their career path | To induce the habit of lifelong learning to continuously enhance overall performance | Students are able to communicate their ideas clearly and concisely so that they can work in team as well as an individual. | To make the students responsive towards the ethical, social, environmental and in economic context for the society |
|---|--|--|--|--|
| 1. To provide students with the fundamentals of Engineering Sciences with more emphasis in Electronics Engineering by way of analyzing and exploiting engineering challenges. | 3 | 3 | 3 | 3 |
| 2. To train students with good scientific and engineering knowledge so as to comprehend, analyze, design, and create novel products and solutions for the real life problems. | 2 | 2 | 2 | 2 |
| 3. To inculcate professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, entrepreneurial thinking and an ability to relate engineering issues with social issues. | 3 | 2 | 2 | 3 |
| 4. To provide students with an academic environment aware of excellence, leadership, written ethical codes and guidelines, and the self-motivated life-long learning needed for a successful professional career. | 2 | 2 | 3 | 3 |
| 5. To prepare students to excel in Industry and Higher education by Educating Students along with High moral values and Knowledge. | 3 | 2 | 3 | 3 |

Note: The above table shows the consistency of PEOs with Mission of the department. Kindly provide the marking as a. If you Agree >70% Mark 2 b. If you agree 50%-60% then mark 1 c. If your agreement is below 50% mark 0.

Name & Signature of (Student/Parent) *Jatin Bahadur Jai*
 Designation & Organization (In case of Parents) / Roll No. & Class (In case of Students)
19EJCEC 082

Student Feedback Form of PEO



Department of Electronics & Communication Engineering

| | | |
|--------------------|---|------------|
| CRITERION 2 | Program Curriculum and Teaching – Learning Processes | 120 |
|--------------------|---|------------|

2.1 PROGRAM CURRICULUM (20)

2.1.1 State the process used to identify extent of compliance of the university curriculum for attaining the program outcomes and program specific outcomes as mentioned in annexure I. Also mention the identified curricular gaps, if any (10)

(State the process details; also mention identified curricular gaps).

Note: In case all POs are being demonstrably met through University Curriculum then 2.1.2 will not be applicable and the weightage of 2.1.1 will be 20.

Jaipur Engineering College and Research Centre is affiliated to Rajasthan Technical University, Kota. So, the program curriculum is as per the scheme and syllabus described by RTU, Kota. The Curriculum maintains a balance in the composition of Basic Science, Humanities and Professional Ethical courses, Computer Programming based subjects along with Basic and Advanced branch related subjects.

Below is the scheme specified by RTU for Electronics & Communication Engineering:

For CAYm1 (2021-22)

Teaching and Examination Scheme

I Semester: B. Tech

Common to all branches of UG Engineering & Technology

| SN | Category | Course Code | Course Title | Hours | | | Marks | | | Cr |
|----|----------|---------------------|---|-------|---|---|-------|-----|------------|----------|
| | | | | L | T | P | IA | ETE | Total | |
| 1 | BSC | 1FY2-01 | Engineering Mathematics-I | 3 | 1 | - | 30 | 70 | 100 | 4 |
| 2 | BSC | 1FY2-02/ 1FY2-03 | Engineering Physics/ Engineering Chemistry | 3 | 1 | - | 30 | 70 | 100 | 4 |
| 3 | HSMC | 1FY1-04/ 1FY1-05 | Communication Skills/ Human Values | 2 | - | - | 30 | 70 | 100 | 2 |
| 4 | ESC | 1FY3-06/ 1FY3-07 | Programming for Problem Solving/ Basic Mechanical Engineering | 2 | - | - | 30 | 70 | 100 | 2 |
| 5 | ESC | 1FY3-08/ 1FY3-09 | Basic Electrical Engineering/ Basic Civil Engineering | 2 | - | - | 30 | 70 | 100 | 2 |
| 6 | BSC | 1FY2-20/ 1FY2-21 | Engineering Physics Lab/ Engineering Chemistry Lab | - | - | 2 | 60 | 40 | 100 | 1 |
| 7 | HSMC | 1FY1-22/ 1FY1-23 | Language Lab/ Human Values Activities and Sports | - | - | 2 | 60 | 40 | 100 | 1 |



Department of Electronics & Communication Engineering

| | | | | | | | | | | |
|----|------------|---------------------|--|---|---|---|----|----|--------------|-------------|
| 8 | ESC | 1FY3-24/ 1FY3-25 | Computer Programming Lab/ Manufacturing Practices Workshop | - | - | 3 | 60 | 40 | 100 | 1.5 |
| 9 | ESC | 1FY3-26/ 1FY3-27 | Basic Electrical Engineering Lab/ Basic Civil Engineering Lab | - | - | 2 | 60 | 40 | 100 | 1 |
| 10 | ESC | 1FY3-28/ 1FY3-29 | Computer Aided Engineering Graphics/ Computer Aided Machine Drawing | - | - | 3 | 60 | 40 | 100 | 1.5 |
| 11 | SODE CA | 1FY8-00 | | | | | | | 100 | 0.5 |
| | | | | | | | | | Total | 20.5 |

L = Lecture, **T** =Tutorial,
P = Practical, **IA**=Internal Assessment,
E**T****E**=End Term Exam, **Cr**=Credits

Department of Electronics & Communication Engineering

Teaching and Examination Scheme II Semester: B.Tech.

Common to all branches of UG Engineering & Technology

| SN | Category | Course Code | Course Title | Hours | | | Marks | | | Cr |
|----|------------|---------------------|--|-------|---|---|-------|-----|--------------|-------------|
| | | | | L | T | P | IA | ETE | Total | |
| 1 | BSC | 2FY2-01 | Engineering Mathematics-II | 3 | 1 | - | 30 | 70 | 100 | 4 |
| 2 | BSC | 2FY2-03/ 2FY2-02 | Engineering Chemistry/ Engineering Physics | 3 | 1 | - | 30 | 70 | 100 | 4 |
| 3 | HSMC | 2FY1-05/ 2FY1-04 | Human Values/ Communication Skills | 2 | - | - | 30 | 70 | 100 | 2 |
| 4 | ESC | 2FY3-07/ 2FY3-06 | Basic Mechanical Engineering/ Programming for Problem Solving | 2 | - | - | 30 | 70 | 100 | 2 |
| 5 | ESC | 2FY3-09/ 2FY3-08 | Basic Civil Engineering/ Basic Electrical Engineering | 2 | - | - | 30 | 70 | 100 | 2 |
| 6 | BSC | 2FY2-21/ 2FY2-20 | Engineering Chemistry Lab/ Engineering Physics Lab | - | - | 2 | 60 | 40 | 100 | 1 |
| 7 | HSMC | 2FY1-23/ 2FY1-22 | Human Values Activities and Sports/ Language Lab | - | - | 2 | 60 | 40 | 100 | 1 |
| 8 | ESC | 2FY3-25/ 2FY3-24 | Manufacturing Practices Workshop/ Computer Programming Lab | - | - | 3 | 60 | 40 | 100 | 1.5 |
| 9 | ESC | 2FY3-27/ 2FY3-26 | Basic Civil Engineering Lab/ Basic Electrical Engineering Lab | - | - | 2 | 60 | 40 | 100 | 1 |
| 10 | ESC | 2FY3-29/ 2FY3-28 | Computer Aided Machine Drawing/ Computer Aided Engineering Graphics | - | - | 3 | 60 | 40 | 100 | 1.5 |
| 11 | SODE CA | 2FY8-00 | | | | | | | 100 | 0.5 |
| | | | | | | | | | Total | 20.5 |

Table 2.1.1.b First Year Scheme

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B.Tech.: Electronics & Communication Engineering 2nd Year - III Semester

| THEORY | | | | | | | | | | | |
|-----------------------|------------|---------------------|---|------------------|---|---|---------|----|-----|-------|------|
| SN | Category | Course | | Contact hrs/week | | | Marks | | | | Cr |
| | | Code | Title | L | T | P | Exm Hrs | IA | ETE | Total | |
| | | | | | | | | | | | |
| 1 | BSC | 3EC2-01 | Advanced Engineering Mathematics-I | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 2 | HSMC | 3EC1-02/ 3EC1-03 | Technical Communication/Managerial Economics and Financial Accounting | 2 | 0 | 0 | 2 | 30 | 70 | 100 | 2 |
| 3 | PCC | 3EC4-04 | Digital System Design | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 4 | | 3EC4-05 | Signal & Systems | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 5 | | 3EC4-06 | Network Theory | 3 | 1 | 0 | 3 | 30 | 70 | 100 | 4 |
| 6 | | 3EC4-07 | Electronics Devices | 3 | 1 | 0 | 3 | 30 | 70 | 100 | 4 |
| | | | Sub Total | 17 | 2 | 0 | | | | | 19 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 8 | PCC | 3EC4-21 | Electronics Devices Lab | 0 | 0 | 2 | | 60 | 40 | 100 | 1 |
| 9 | | 3EC4-22 | Digital System Design Lab | 0 | 0 | 2 | | 60 | 40 | 100 | 1 |
| 10 | | 3EC4-23 | Signal Processing Lab | 0 | 0 | 2 | | 60 | 40 | 100 | 1 |
| 11 | ESC | 3EC3-24 | Computer Programming Lab-I | 0 | 0 | 2 | | 60 | 40 | 100 | 1 |
| 13 | PSIT | 3EC7-30 | Industrial Training | 0 | 0 | 1 | | 60 | 40 | 100 | 1 |
| 14 | SODE CA | 3EC8-00 | Social Outreach, Discipline & Extra Curricular Activities | | | | | | | 100 | 0.5 |
| | | | Sub- Total | 0 | 0 | 9 | | | | | 5.5 |
| | | | TOTAL OF III | 17 | 2 | 9 | | | | | 24.5 |

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B.Tech.: Electronics & Communication Engineering 2nd Year - IV Semester

| THEORY | | | | | | | | | | | |
|------------------------------|------------|---------------------|--|------------------|---|----|----------|-----|------|-------|------|
| SN | Category | Course | | Contact hrs/week | | | Marks | | | | Cr |
| | | Code | Title | L | T | P | Ex m Hrs | I A | ET E | Total | |
| | | | | | | | | | | | |
| 1 | BSC | 4EC2-01 | Advanced Engineering Mathematics-II | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 2 | HSMC | 4EC1-03/ 4EC1-02 | Managerial Economics and Financial Accounting/ Technical Communication | 2 | 0 | 0 | 2 | 30 | 70 | 100 | 2 |
| 3 | PCC | 4EC4-04 | Analog Circuits | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 4 | | 4EC4-05 | Microcontrollers | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 5 | ESC | 4EC3-06 | Electronics Measurement & Instrumentation | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| 6 | PCC | 4EC4-07 | Analog and Digital Communication | 3 | 0 | 0 | 3 | 30 | 70 | 100 | 3 |
| Sub Total | | | | 17 | 0 | 0 | | | | | 17 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 8 | PCC | 4EC4-21 | Analog and Digital Communication Lab | 0 | 0 | 3 | | 60 | 40 | 100 | 1.5 |
| 9 | | 4EC4-22 | Analog Circuits Lab | 0 | 0 | 3 | | 60 | 40 | 100 | 1.5 |
| 10 | | 4EC4-23 | Microcontrollers Lab | 0 | 0 | 3 | | 60 | 40 | 100 | 1.5 |
| 11 | | 4EC4-24 | Electronics Measurement & Instrumentation Lab | 0 | 0 | 3 | | 60 | 40 | 100 | 1.5 |
| 12 | SOD ECA | 4EC18-00 | Social Outreach, Discipline & Extra Curricular Activities | | | | | | | 100 | 0.5 |
| Sub- Total | | | | 0 | 0 | 12 | | | | | 6.5 |
| TOTAL OF IV SEMEESTER | | | | 17 | 0 | 12 | | | | | 23.5 |

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B.Tech.: Electronics & Communication Engineering 3rd Year – V Semester

| THEORY | | | | | | | | | | | |
|-----------------------|-------------|-----------------------------------|---|------------------|----|---|---------|-----|-----|-------|-----|
| SN | Category | Course | | Contact hrs/week | | | Marks | | | | Cr |
| | | Code | Title | L | T | P | Exm Hrs | IA | ETE | Total | |
| 1 | ESC | 5EC 3-01 | Computer Architecture | 2 | 0 | 0 | 2 | 20 | 80 | 100 | 2 |
| 2 | PCC/ PEC | 5EC 4-02 | Electromagnetics Waves | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 3 | | 5EC 4-03 | Control system | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 4 | | 5EC 4-04 | Digital Signal Processing | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 5 | | 5EC 4-05 | Microwave Theory & Techniques | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 6 | | Professional Elective I (any one) | | 2 | 0 | 0 | 2 | 20 | 80 | 100 | 2 |
| | | 5EC 5-11 | Bio-Medical Electronics | | | | | | | | |
| | | 5EC 5-12 | Embedded Systems | | | | | | | | |
| | | 5EC 5-13 | Probability Theory & Stochastic Process | | | | | | | | |
| | | 5EC 5-14 | Satellite Communication | | | | | | | | |
| | | | Sub Total | | 16 | 0 | 0 | | 160 | 640 | 800 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 7 | PCC | 5EC 4-21 | RF Simulation Lab | 0 | 0 | 3 | 2 | 45 | 30 | 75 | 1.5 |
| 8 | | 5EC 4-22 | Digital Signal Processing Lab | 0 | 0 | 3 | 2 | 45 | 30 | 75 | 1.5 |
| 9 | | 5EC 4-23 | Microwave Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 10 | PSIT | 5EC 7-30 | Industrial Training | 0 | 0 | 1 | | 75 | 50 | 125 | 2.5 |
| 11 | SODE CA | 5EC 8-00 | Social Outreach, Discipline & Extra Curricular Activities | 0 | 0 | 0 | | | 25 | 25 | 0.5 |
| | | Sub-Total | | 0 | 0 | 9 | | 195 | 155 | 350 | 7 |
| | | TOTAL OF V SEMESTER | | 16 | 0 | 9 | | 355 | 795 | 1150 | 23 |

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B. Tech.: Electronics & Communication Engineering 3rd Year – VI Semester

| THEORY | | | | | | | | | | | |
|-----------------------|-------------|------------------------------------|---|------------------|---|----|---------|-----|-----|-------|------|
| SN | Category | Course | | Contact hrs/week | | | Marks | | | | Cr |
| | | Code | Title | L | T | P | Exm Hrs | IA | ETE | Total | |
| 1 | ESC | 6EC 3-01 | Power Electronics | 2 | 0 | 0 | 2 | 20 | 80 | 100 | 2 |
| 2 | PCC/ PEC | 6EC 4-02 | Computer Network | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 3 | | 6EC 4-03 | Fiber Optics Communications | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 4 | | 6EC 4-04 | Antennas and Propagation | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 5 | | 6EC 4-05 | Information theory and coding | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 6 | | Professional Elective II (any one) | | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| | | 6EC 5-11 | Introduction to MEMS | | | | | | | | |
| | | 6EC 5-12 | Nano Electronics | | | | | | | | |
| | | 6EC 5-13 | Neural Network And Fuzzy Logic Control | | | | | | | | |
| | | 6EC 5-14 | High Speed Electronics | | | | | | | | |
| | | Sub Total | | 17 | 0 | 0 | | 170 | 680 | 850 | 17 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 7 | PCC | 6EC 4-21 | Computer Network Lab | 0 | 0 | 4 | 2 | 60 | 40 | 100 | 2 |
| 8 | | 6EC 4-22 | Antenna and wave propagation Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 9 | | 6EC 4-23 | Electronics Design Lab | 0 | 0 | 4 | 2 | 60 | 40 | 100 | 2 |
| 10 | | 6EC 4-24 | Power Electronics Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 11 | SODE CA | 6EC 8-00 | Social Outreach, Discipline & Extra Curricular Activities | 0 | 0 | 0 | | | 25 | 25 | 0.5 |
| | | Sub-Total | | 0 | 0 | 12 | | 180 | 145 | 325 | 6.5 |
| | | TOTAL OF VI SEMESTER | | 17 | 0 | 12 | | 350 | 825 | 1175 | 23.5 |

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B.Tech. : Electronics & Communication Engineering 4th Year - VII Semester

| THEORY | | | | | | | | | | | |
|----------------------------------|----------|------------------|---|---------------------|----------|----------|------------|------------|------------|------------|-----------|
| S N | Category | Course | | Contact hrs/week | | | Mark s | | | | Cr |
| | | Code | Title | L | T | P | Exm Hrs | IA | ETE | Total | |
| 1 | PEC | Program Elective | | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| | | 7EC5-11 | VLSI Design | | | | | | | | |
| | | 7EC5-12 | Mixed Signal Design | | | | | | | | |
| | | 7EC5-13 | CMOS design | | | | | | | | |
| 2 | OE | | Open Elective-I | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| Sub Total | | | | 6 | 0 | 0 | | 60 | 240 | 300 | 6 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 3 | PCC | 7EC4-21 | VLSI Design Lab | 0 | 0 | 4 | 2 | 60 | 40 | 100 | 2 |
| 4 | | 7EC4-22 | Advance communication lab (MATLAB Simulation) | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 5 | | 7EC4-23 | Optical Communication Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 6 | PSIT | 7EC7-30 | Industrial Training | 1 | 0 | 0 | | 75 | 50 | 125 | 2.5 |
| 7 | | 7EC7-40 | Seminar | 2 | 0 | 0 | | 60 | 40 | 100 | 2 |
| 8 | SODEC A | 7EC8-00 | Social Outreach, Discipline & Extra Curricular Activities | | | | | 0 | 25 | 25 | 0.5 |
| Sub Total | | | | 3 | 0 | 8 | | 255 | 195 | 450 | 9 |
| TOTAL of VII SEMESTER | | | | 9 | 0 | 8 | | 315 | 435 | 750 | 15 |

Department of Electronics & Communication Engineering

Teaching & Examination Scheme B.Tech. : Electronics & Communication Engineering^{4th} Year - VIII Semester

| THEORY | | | | | | | | | | | |
|-------------------------------|----------|------------------|---|---------------------|----------|----------|------------|------------|------------|------------|-------------|
| S N | Category | Course Code | Course Title | Contact hrs/week | | | Mark s | | | Cr | |
| | | | | L | T | P | Exm Hrs | IA | ET E | | Total |
| 1 | PEC | Program Elective | | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| | | 8EC5-11 | Artificial Intelligence And Expert Systems | | | | | | | | |
| | | 8EC5-12 | Digital Image and Video Processing | | | | | | | | |
| | | 8EC5-13 | Adaptive Signal Processing | | | | | | | | |
| 2 | OE | | Open Elective-II | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| Sub Total | | | | 6 | 0 | 0 | | 60 | 240 | 300 | 6 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 3 | PCC | 8EC4-21 | Internet of Things (IOT) Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 4 | | 8EC4-22 | Skill Development Lab | 0 | 0 | 2 | 2 | 30 | 20 | 50 | 1 |
| 5 | PSIT | 8EC7-50 | Project | 3 | 0 | 0 | | 210 | 140 | 350 | 7 |
| 6 | SODEC A | 8EC8-00 | Social Outreach, Discipline & Extra Curricular Activities | | | | | | 25 | 25 | 0.5 |
| Sub Total | | | | 3 | 0 | 4 | | 270 | 205 | 475 | 9.5 |
| TOTAL of VIII SEMESTER | | | | 9 | 0 | 4 | | 330 | 445 | 775 | 15.5 |

Department of Electronics & Communication Engineering

| List of Open Electives for Electronics & Communication Engineering | | | |
|--|---|---------------------------|---|
| Subject Code | Title | Subject Code | Title |
| Open Elective - I | | Open Elective - II | |
| 7AG6-60.1 | Human Engineering and Safety | 8AG6-60.1 | Energy Management |
| 7AG6-60.2 | Environmental Engineering and Disaster Management | 8AG6-60.2 | Waste and By-product Utilization |
| 7AN6-60.1 | Aircraft Avionic System | 8AN6-60.1 | Finite Element Methods |
| 7AN6-60.2 | Non-Destructive Testing | 8AN6-60.2 | Factor of Human Interactions |
| 7CH6-60.1 | Optimization Techniques | 8CH6-60.1 | Refinery Engineering Design |
| 7CH6-60.2 | Sustainable Engineering | 8CH6-60.2 | Fertilizer Technology |
| 7CR6-60.1 | Introduction to Ceramic Science & Technology | 8CR6-60.1 | Electrical and Electronic Ceramics |
| 7CR6-60.2 | Plant, Equipment and Furnace Design | 8CR6-60.2 | Biomaterials |
| 7CE6-60.1 | Environmental Impact Analysis | 8CE6-60.1 | Composite Materials |
| 7CE6-60.2 | Disaster Management | 8CE6-60.2 | Fire and Safety Engineering |
| 7CS6-60.1 | Quality Management/ISO 9000 | 8CS6-60.1 | Big Data Analytics |
| 7CS6-60.2 | Cyber Security | 8CS6-60.2 | IPR, Copyright and Cyber Law of India |
| 7EE6-60.1 | Electrical Machines and Drives | 8EE6-60.1 | Energy Audit and Demand side Management |
| 7EE6-60.2 | Power Generation Sources. | 8EE6-60.2 | Soft Computing |
| 7ME6-60.1 | Finite Element Analysis | 8ME6-60.1 | Operations Research |
| 7ME6-60.2 | Quality Management | 8ME6-60.2 | Simulation Modeling and Analysis |
| 7MI6-60.1 | Rock Engineering | 8MI6-60.1 | Experimental Stress Analysis |
| 7MI6-60.2 | Mineral Processing | 8MI6-60.2 | Maintenance Management |
| 7PE6-60.1 | Pipeline Engineering | 8PE6-60.1 | Unconventional Hydrocarbon Resources |
| 7PE6-60.2 | Water Pollution control Engineering | 8PE6-60.2 | Energy Management & Policy |
| 7TT6-60.1 | Technical Textiles | 8TT6-60.1 | Material and Human Resource Management |
| 7TT6-60.2 | Garment Manufacturing Technology | 8TT6-60.2 | Disaster Management |

Table 2.1.1.c Open elective courses

Department of Electronics & Communication Engineering

Each Course under the program has some defined course outcomes that emphasize on contribution to different POs leading to eventual attainment of POs upon successful completion of all courses. Each course has sufficient weight age to fundamental concepts, tools and techniques and emphasis on practical implementations. This provides a strong correlation between the course outcomes and programme outcomes, developing necessary skills in students, making them proficient engineers. The whole curriculum under Electronics & communication Engineering is divided according to below specified categories:

| Course Components | Mapped POs | Total Hours | % Contribution |
|--|--|---------------------|----------------|
| Basic Science (All 1 st year Subjects plus Mathematics) and Professional Ethics | PO1, PO2, PO9, PO12 | 57 + 22 = 79 | 33.47% |
| Basic Electronics (EDC, EMFT, EMI, CA, DE, AE, EPM, etc.) | PO1, PO2, PO3, PO4, PO9, PO10, PO12 | 76 | 32.2% |
| Advanced Electronics (VHDL, VLSI, MES, DIP, ICT, MW, Projects, Seminar, etc.) | PO1-PO12 | 74 | 31.36% |
| Computer Programming | PO1, PO2, PO5 | 7 | 2.97% |
| Total Number of Hours /week | | 236 | 100% |

Table 2.1.1.d Component Categorization of Course Curriculum

The course Components are thus directly and quantitatively assessed, and are tied to the program outcomes as shown in the course syllabi. Therefore, if the course outcomes are met, the program outcomes are met.

| PROGRAM OUTCOMES | |
|-------------------------|--|
| PO1 | Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Electronics & Communication Engineering specialization to the solution of complex electronics and communication engineering problems. |
| PO2 | Problem analysis: Identify, formulate, research literature, and analyze complex Electronics & Communication Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. |
| PO3 | Design/development of solutions: Design solutions for complex Electronics & Communication Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| PO4 | Conduct investigations of complex problems: Use research-based knowledge and research methods including design of electronics and communication engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| PO5 | Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern electronic engineering and IT tools including prediction and modelling to complex Electronics & Communication Engineering activities with an understanding of the limitations. |

Department of Electronics & Communication Engineering

| | |
|-------------|--|
| PO6 | The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Electronics & Communication Engineering practice. |
| PO7 | Environment and sustainability: Understand the impact of the professional Electronics & Communication Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| PO8 | Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Electronics & Communication Engineering practice. |
| PO9 | Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| PO10 | Communication: Communicate effectively on complex Electronics & Communication Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. |
| PO11 | Project management and finance: Demonstrate knowledge and understanding of the Electronics & Communication Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| PO12 | Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of Electronics & Communication Engineering changes. |

| PROGRAM SPECIFIC OUTCOMES | |
|----------------------------------|--|
| PSO1 | Ability to develop knowledge for robotics and its application. |
| PSO2 | Ability to apply the concept of IoT for challenges of real- world. |

Table 2.1.1.e List of Program Outcomes and Program Specific Outcomes

Department of Electronics & Communication Engineering

Following is the table for all courses along with their mapping with POs:

3th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 3EC2-01 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| 3EC2-02 | CO-1 | 2 | 1 | 1 | - | 2 | 1 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | 1 | 1 | - | - | 1 | 2 | - | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | - | - | - | 1 | 1 | - | 2 | 2 | 3 | 1 | 3 |
| 3EC4-04 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | - | 1 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | 1 | 1 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 3EC4-05 | CO-1 | 3 | 3 | 2 | 2 | 3 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 2 | 3 | 2 | 2 | - | - | 1 | 1 | 1 | 1 | 2 |
| 3EC4-06 | CO-1 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| 3EC4-07 | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | 2 | 3 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 2 | 2 |
| 3EC4-21 | CO-1 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 1 | 1 | 3 |
| | CO-2 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 1 |
| | CO-5 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| 3EC4-22 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 3 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 3 |
| 3EC4-23 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 2 | 2 | - | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | - | - | 2 | 3 | 2 | 1 | 2 |
| 3EC4-24 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 3 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 3 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| 3EC7-30 | CO-1 | 2 | 1 | 1 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |
| | CO-2 | 2 | 2 | 1 | 1 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| | CO-3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 2 | 2 | 2 | 3 | 3 |
| | CO-4 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 3 | 3 | 1 | 3 |
| | CO-5 | 2 | 1 | 1 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |

Department of Electronics & Communication Engineering

4th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 4EC2-01 | CO-1 | 2 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 2 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 2 | 3 | 2 | 3 | 2 | - | - | - | 1 | 1 | - | 2 |
| | CO-4 | 2 | 3 | 2 | 3 | 2 | 1 | 1 | - | - | - | 1 | 2 |
| 4EC1-03 | CO-1 | - | - | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | - | - | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | - | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | - | 1 | - | 1 | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 4EC4-04 | CO-1 | 3 | 2 | 3 | 3 | 2 | - | - | - | 1 | 1 | 2 | 3 |
| | CO-2 | 3 | 2 | 3 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 4EC4-05 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 2 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 1 | 2 | 3 |
| | CO-4 | 3 | 2 | 3 | 3 | 2 | 1 | - | 1 | 2 | 1 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | 2 | 2 | 2 | 3 |
| 4EC3-06 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | 2 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | - | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 4EC4-07 | CO-1 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | - | 1 | 2 | 1 | 2 |
| 4EC4-21 | CO-1 | 3 | 3 | 2 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 3 | 3 | 1 | 3 |
| | CO-3 | 3 | 3 | 2 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 3 | 2 | - | - | 2 | 2 | 2 | 2 | 2 |
| 4EC4-22 | CO-1 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 3 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 2 | 2 | 2 | 3 |
| 4EC4-23 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2 | 2 |
| 4EC4-24 | CO-1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |

Department of Electronics & Communication Engineering

5th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 5EC3-01 | CO-1 | 3 | - | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 3 |
| | CO-2 | 3 | - | 2 | - | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 3 |
| | CO-3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 |
| 5EC4-02 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | 1 | - | 1 | 3 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | - | 2 | - | 1 | 3 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | - | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | - | 1 | 1 | - | 1 | 1 | 3 |
| 5EC4-03 | CO-1 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | - | 1 | - | 1 | 3 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | - | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | - | 1 | 3 |
| | CO-5 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| 5EC4-04 | CO-1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 1 | - | - | - | 1 | 1 | 2 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | - | 1 | 1 | 2 | 1 | 3 |
| 5EC4-05 | CO-1 | 3 | 3 | 2 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | - | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | - | - | - | 2 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 2 | 1 | 2 | 3 |
| 5EC5-14 | CO-1 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | - | - | 2 |
| | CO-2 | 2 | 3 | 3 | 3 | 2 | - | - | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | - | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 2 | - | 2 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| 5EC4-21 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | - | - | 2 | 3 | 3 | 2 | 3 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 3 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| 5EC4-22 | CO-1 | 3 | 3 | 3 | 2 | 3 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 3 | - | - | 2 | 3 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| 5EC4-23 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 3 | 3 | - | - | 1 | 2 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 3 | 3 | 3 | - | - | 2 | 2 | 3 | 1 | 2 |
| 5EC7-30 | CO-1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 3 |
| | CO-2 | 2 | 2 | 1 | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | 2 | 1 | - | - | 2 | 1 | 3 | 2 | 3 | 2 | 3 |
| | CO-4 | 2 | 2 | - | - | - | 2 | 1 | 3 | 3 | 3 | 2 | 3 |
| | CO-5 | 3 | 1 | 1 | - | 1 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |

Department of Electronics & Communication Engineering

6th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 6EC3-01 | CO-1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | - | 2 | 1 | 2 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 3 |
| 6EC4-02 | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | 1 | 1 | - | 3 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 2 | 2 |
| | CO-3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 1 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 2 | 2 |
| 6EC4-03 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 1 | 2 |
| 6EC4-04 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | - | 1 | - | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | - | 3 |
| 6EC4-05 | CO-1 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | - | 1 | - | 1 | 2 |
| 6EC5-11 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | 1 | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | - | 2 | - | - | 2 |
| 6EC4-21 | CO-1 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-2 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 |
| 6EC4-22 | CO-1 | 3 | 2 | 2 | 3 | 3 | 1 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 2 | 2 |
| 6EC4-23 | CO-1 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | - | 1 | 2 | 3 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| 6EC4-24 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |

Department of Electronics & Communication Engineering

7th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 7EC5-13 | CO-1 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| 7AG6-60.2 | CO-1 | - | - | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | - | - | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | - | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | - | 1 | - | 1 | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 7EC4-21 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | - | 1 | 2 | 3 | 3 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 2 |
| 7EC4-22 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 3 | 3 | - | - | 1 | 2 | 2 | 2 | 2 |
| 7EC4-23 | CO-1 | 3 | 2 | 3 | 3 | 3 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 3 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| 7EC7-30 | CO-1 | 3 | 3 | 1 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |
| | CO-2 | 3 | 3 | 2 | 1 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 2 | 2 | 2 | 3 | 3 |
| | CO-4 | 3 | 3 | 2 | 1 | 2 | 2 | 1 | 3 | 3 | 3 | 1 | 3 |
| | CO-5 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 7EC7-40 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 2 |

8th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 8EC5-12 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | - | 1 | - | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| 8TT6-60.2 | CO-1 | 1 | 1 | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | 1 | 1 | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | 1 | 1 | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 8EC4-21 | CO-1 | 3 | 2 | 3 | 3 | 2 | - | - | - | 1 | 1 | 2 | 3 |
| | CO-2 | 3 | 2 | 3 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| 8EC4-22 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| 8EC7-50 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 2 |



Table 2.1.1.f Mapping of POs with each Course

Mapping of PSO's with CO's

3rd Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 3EC2-01 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 3EC2-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| 3EC4-04 | CO-1 | 1 | 1 |
| | CO-2 | 1 | 3 |
| | CO-3 | 1 | 3 |
| | CO-4 | 3 | 3 |
| | CO-5 | 1 | 3 |
| 3EC4-05 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | - | - |
| 3EC4-06 | CO-1 | 1 | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| | CO-5 | 1 | - |
| 3EC4-07 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 3EC4-21 | CO-1 | 2 | - |
| | CO-2 | 2 | - |
| | CO-3 | 1 | - |
| | CO-4 | 1 | - |
| | CO-5 | 1 | - |
| 3EC4-22 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | - |
| | CO-4 | - | - |
| | CO-5 | 1 | 1 |
| 3EC4-23 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |
| 3EC3-24 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |

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| | | | |
|---------|------|---|---|
| | CO-4 | 1 | - |
| 3EC7-30 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |

4th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 4EC2-01 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 4EC1-03 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 4EC4-04 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 4EC4-05 | CO-1 | 2 | - |
| | CO-2 | 3 | - |
| | CO-3 | 3 | - |
| | CO-4 | 3 | 2 |
| | CO-5 | 3 | 1 |
| 4EC3-06 | CO-1 | 2 | 2 |
| | CO-2 | 3 | 3 |
| | CO-3 | 3 | 3 |
| | CO-4 | 1 | 2 |
| | CO-5 | 3 | 3 |
| 4EC4-07 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | - |
| | CO-4 | - | 1 |
| | CO-5 | 2 | - |
| 4EC4-21 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | 3 | 2 |
| 4EC4-22 | CO-1 | - | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | - |
| | CO-5 | - | - |
| 4EC4-23 | CO-1 | 3 | - |
| | CO-2 | 3 | - |

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| | | | |
|---------|------|---|---|
| | CO-3 | 2 | - |
| | CO-4 | 2 | - |
| | CO-5 | 3 | - |
| 4EC4-24 | CO-1 | 1 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 2 | 2 |
| | CO-4 | 1 | 1 |
| | CO-5 | 2 | 2 |

5th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 5EC3-01 | CO-1 | 3 | 1 |
| | CO-2 | 3 | 1 |
| | CO-3 | 3 | 1 |
| | CO-4 | 3 | 2 |
| 5EC4-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | 1 |
| | CO-4 | - | - |
| | CO-5 | 1 | - |
| 5EC4-03 | CO-1 | - | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | - | - |
| | CO-5 | 1 | - |
| 5EC4-04 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 5EC4-05 | CO-1 | 2 | 2 |
| | CO-2 | 2 | 2 |
| | CO-3 | 2 | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | 3 | 3 |
| 5EC5-14 | CO-1 | 3 | - |
| | CO-2 | - | - |
| | CO-3 | 2 | 2 |
| | CO-4 | 1 | - |
| | CO-5 | 2 | 2 |
| 5EC4-21 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | - |
| 5EC4-22 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |

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| | | | |
|---------|------|---|---|
| | CO-5 | 1 | - |
| 5EC4-23 | CO-1 | - | - |
| | CO-2 | 3 | 2 |
| | CO-3 | - | - |
| | CO-4 | 2 | 3 |
| | CO-5 | 3 | 3 |
| 5EC7-30 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |

6th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 6EC3-01 | CO-1 | 2 | - |
| | CO-2 | 2 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | - |
| 6EC4-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC4-03 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC4-04 | CO-1 | - | - |
| | CO-2 | - | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | - |
| | CO-5 | 1 | 3 |
| 6EC4-05 | CO-1 | - | 1 |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC5-11 | CO-1 | 2 | 3 |
| | CO-2 | 3 | 2 |
| | CO-3 | 1 | 1 |
| 6EC4-21 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| | CO-5 | - | - |
| 6EC4-22 | CO-1 | - | - |
| | CO-2 | - | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | - |
| | CO-5 | 1 | 3 |

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| | | | |
|---------|------|---|---|
| 6EC4-23 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | - | - |
| | CO-4 | 1 | - |
| | CO-5 | 1 | - |
| 6EC4-24 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 2 | - |

7th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 7EC5-13 | CO-1 | 1 | 1 |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | 1 |
| | CO-5 | - | - |
| 7AG6-60.2 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 7EC4-21 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 7EC4-22 | CO-1 | 2 | 2 |
| | CO-2 | 2 | 1 |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | 1 |
| 7EC4-23 | CO-1 | 1 | 1 |
| | CO-2 | - | 1 |
| | CO-3 | 1 | 1 |
| 7EC7-30 | CO-1 | 2 | 3 |
| | CO-2 | 2 | 3 |
| | CO-3 | 1 | 2 |
| | CO-4 | 1 | 2 |
| | CO-5 | 2 | 3 |
| 7EC7-40 | CO-1 | 2 | 3 |
| | CO-2 | 1 | 2 |
| | CO-3 | 1 | 2 |
| | CO-4 | 1 | 1 |
| | CO-5 | 1 | 1 |

8th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 8EC5-12 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 1 |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | - |
| 8TT6-60.2 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 8EC4-21 | CO-1 | 1 | 3 |
| | CO-2 | 2 | 2 |

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| | | | |
|---------|------|---|---|
| | CO-3 | 1 | 2 |
| 8EC4-22 | CO-1 | 1 | 2 |
| | CO-2 | 1 | 2 |
| | CO-1 | 3 | 3 |
| 8EC7-50 | CO-2 | 2 | 2 |
| | CO-3 | 2 | 2 |
| | CO-4 | 2 | 3 |
| | CO-5 | 3 | 3 |

CO Attainment Analysis for CAY (2021-22)

| Sub. Code | Sub. Name | CO's | RTU Result % | MTT result % | CO attainment % (0.8x+0.2*y) |
|-----------|---|------|--------------|--------------|---------------------------------|
| 8EC5-12 | Digital Image and Video Processing | CO-1 | 53.5483871 | 92.6 | 61.4 |
| | | CO-2 | 53.5483871 | 91.2 | 61.1 |
| | | CO-3 | 53.5483871 | 89.9 | 60.8 |
| | | CO-4 | 53.5483871 | 94.4 | 61.7 |
| 8TT6-60.2 | Disaster Management | CO-1 | 38.06451613 | 93.1 | 49.1 |
| | | CO-2 | 38.06451613 | 93.1 | 49.1 |
| | | CO-3 | 38.06451613 | 96.2 | 49.7 |
| | | CO-4 | 38.06451613 | 95.1 | 49.5 |
| 8EC4-21 | Internet of Things (IOT) Lab | CO-1 | 100 | 100.0 | 100.0 |
| | | CO-2 | 100 | 100.0 | 100.0 |
| | | CO-3 | 100 | 100.0 | 100.0 |
| 8EC4-22 | Skill Development Lab | CO-1 | 100 | 100 | 100.0 |
| | | CO-2 | 100 | 100 | 100.0 |
| 8EC7-50 | Project II | CO-1 | 85.80645161 | 90.3 | 86.7 |
| | | CO-2 | 85.80645161 | 92.3 | 87.1 |
| | | CO-3 | 85.80645161 | 92.3 | 87.1 |
| | | CO-4 | 85.80645161 | 90.3 | 86.7 |
| | | CO-5 | 85.80645161 | 91.1 | 86.9 |
| 7EC5-11 | VLSI Design | CO-1 | 58.49056604 | 87.5 | 64.3 |
| | | CO-2 | 58.49056604 | 86.5 | 64.1 |
| | | CO-3 | 58.49056604 | 91.2 | 65.0 |
| | | CO-4 | 58.49056604 | 93.9 | 65.6 |
| | | CO-5 | 58.49056604 | 91.3 | 65.0 |
| 7AG6-60.2 | Environmental Engineering and Disaster Management | CO-1 | 60.37735849 | 82.7 | 64.8 |
| | | CO-2 | 60.37735849 | 82.5 | 64.8 |
| | | CO-3 | 60.37735849 | 92.6 | 66.8 |
| | | CO-4 | 60.37735849 | 85.6 | 65.4 |
| 7EC4-21 | VLSI Design Lab | CO-1 | 87.42138365 | 88.2 | 87.6 |
| | | CO-2 | 87.42138365 | 88.2 | 87.6 |
| | | CO-3 | 87.42138365 | 90.1 | 88.0 |
| | | CO-4 | 87.42138365 | 90.1 | 88.0 |
| 7EC4-22 | Advance Communication Lab (MATLAB Simulation) | CO-1 | 96.22641509 | 95.5 | 96.1 |
| | | CO-2 | 96.22641509 | 95.5 | 96.1 |
| | | CO-3 | 96.22641509 | 92.3 | 95.4 |
| | | CO-4 | 96.22641509 | 94.6 | 95.9 |

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|---------|-------------------------------|------|----------------|------|------|
| 7EC4-23 | Optical Communication Lab | CO-1 | 87.42138365 | 88.2 | 87.6 |
| | | CO-2 | 87.42138365 | 88.2 | 87.6 |
| | | CO-3 | 87.42138365 | 87.4 | 87.4 |
| 7EC7-30 | Industrial Training | CO-1 | 81.76100629 | 83.1 | 82.0 |
| | | CO-2 | 81.76100629 | 80.5 | 81.5 |
| | | CO-3 | 81.76100629 | 80.5 | 81.5 |
| | | CO-4 | 81.76100629 | 81.6 | 81.7 |
| | | CO-5 | 81.76100629 | 80.3 | 81.5 |
| 7EC7-40 | Seminar | CO-1 | 81.76100629 | 82.2 | 81.8 |
| | | CO-2 | 81.76100629 | 82.2 | 81.8 |
| | | CO-3 | 81.76100629 | 80.3 | 81.5 |
| | | CO-4 | 81.76100629 | 80.3 | 81.5 |
| | | CO-5 | 81.76100629 | 81.7 | 81.7 |
| 6EC3-01 | Power Electronics | CO-1 | Result Awaited | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 6EC4-02 | Computer Networks | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 6EC4-03 | Fiber Optic Communication | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 6EC4-04 | Antenna and Propagation | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 6EC4-05 | Information Theory and Coding | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 6EC5-11 | Introduction to MEMS | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| 6EC4-21 | Computer Network Lab | CO-1 | Result Awaited | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 6EC4-22 | Antenna and Propagation Lab | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |

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|---------|-------------------------------|------|-------------|------|------|
| | | CO-5 | | | |
| 6EC4-23 | Electronic Design Lab | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 6EC4-24 | Power Electronics Lab | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| 5EC3-01 | Computer Architecture | CO-1 | 60.88888889 | 81.9 | 65.1 |
| | | CO-2 | 60.88888889 | 79.5 | 64.6 |
| | | CO-3 | 60.88888889 | 80.7 | 64.9 |
| | | CO-4 | 60.88888889 | 81.4 | 65.0 |
| 5EC4-02 | Electromagnetic Waves | CO-1 | 66.66666667 | 75.5 | 68.4 |
| | | CO-2 | 66.66666667 | 74.8 | 68.3 |
| | | CO-3 | 66.66666667 | 84.6 | 70.2 |
| | | CO-4 | 66.66666667 | 85.0 | 70.3 |
| | | CO-5 | 66.66666667 | 84.0 | 70.1 |
| 5EC4-03 | Control System | CO-1 | 55.11111111 | 88.7 | 61.8 |
| | | CO-2 | 55.11111111 | 90.5 | 62.2 |
| | | CO-3 | 55.11111111 | 92.7 | 62.6 |
| | | CO-4 | 55.11111111 | 88.5 | 61.8 |
| | | CO-5 | 55.11111111 | 88.3 | 61.8 |
| 5EC4-04 | Digital Signal Processing | CO-1 | 63.55555556 | 89.0 | 68.6 |
| | | CO-2 | 63.55555556 | 88.2 | 68.5 |
| | | CO-3 | 63.55555556 | 91.3 | 69.1 |
| | | CO-4 | 63.55555556 | 90.0 | 68.8 |
| | | CO-5 | 63.55555556 | 89.1 | 68.7 |
| 5EC4-05 | Microwave Theory & Techniques | CO-1 | 64.88888889 | 88.4 | 69.6 |
| | | CO-2 | 64.88888889 | 86.3 | 69.2 |
| | | CO-3 | 64.88888889 | 88.9 | 69.7 |
| | | CO-4 | 64.88888889 | 83.9 | 68.7 |
| | | CO-5 | 64.88888889 | 90.0 | 69.9 |
| 5EC5-14 | Embedded System | CO-1 | 64 | 91.0 | 69.4 |
| | | CO-2 | 64 | 89.3 | 69.1 |
| | | CO-3 | 64 | 89.7 | 69.1 |
| | | CO-4 | 64 | 92.7 | 69.7 |
| | | CO-5 | 64 | 90.3 | 69.3 |
| 5EC4-21 | RF Simulation Lab | CO-1 | 76 | 78.3 | 76.5 |
| | | CO-2 | 76 | 78.3 | 76.5 |
| | | CO-3 | 76 | 74.5 | 75.7 |
| | | CO-4 | 76 | 74.5 | 75.7 |
| 5EC4-22 | Digital Signal Processing Lab | CO-1 | 84 | 82.2 | 83.6 |
| | | CO-2 | 84 | 82.2 | 83.6 |
| | | CO-3 | 84 | 85.6 | 84.3 |
| | | CO-4 | 84 | 85.6 | 84.3 |

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|---------|---|------|----------------|------|------|
| | | CO-5 | 84 | 84.9 | 84.2 |
| 5EC4-23 | Microwave Lab | CO-1 | 68 | 70.2 | 68.4 |
| | | CO-2 | 68 | 70.2 | 68.4 |
| | | CO-3 | 68 | 69.9 | 68.4 |
| | | CO-4 | 68 | 69.9 | 68.4 |
| | | CO-5 | 68 | 71.5 | 68.7 |
| 5EC7-30 | Industrial Training | CO-1 | 96 | 95.0 | 95.8 |
| | | CO-2 | 96 | 95.0 | 95.8 |
| | | CO-3 | 96 | 93.3 | 95.5 |
| | | CO-4 | 96 | 93.3 | 95.5 |
| | | CO-5 | 96 | 97.0 | 96.2 |
| 4EC2-01 | Advance Engg. Mathematics II | CO-1 | Result Awaited | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 4EC1-03 | Managerial Economics and Financial Accounting | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| 4EC4-04 | Analog Circuits | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 4EC4-05 | Microcontrollers | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 4EC3-06 | EMI | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 4EC4-07 | Analog and Digital Communication | CO-1 | Result Awaited | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 4EC4-21 | Analog and Digital Communication Lab | CO-1 | | | |
| | | CO-2 | | | |
| | | CO-3 | | | |
| | | CO-4 | | | |
| | | CO-5 | | | |
| 4EC4-22 | Analog Circuits Lab | CO-1 | | | |
| | | CO-2 | | | |

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|---------|------------------------------------|------|----------------|
| | | CO-3 | Result Awaited |
| | | CO-4 | |
| | | CO-5 | |
| 4EC4-23 | Microcontrollers Lab | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 4EC4-24 | EMI Lab | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC2-01 | Advanced Engineering Mathematics-I | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| 3EC2-02 | Technical Communication | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| 3EC4-04 | Digital System Design | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-05 | Signal & Systems | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-06 | Network Theory | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-07 | Electronic Devices | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-21 | Electronic Devices Lab | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-22 | | CO-1 | |

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|---------|----------------------------|------|--|
| | Digital System Design Lab | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC4-23 | Signal Processing Lab | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |
| 3EC3-24 | Computer Programming Lab 1 | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| 3EC7-30 | Industrial Training | CO-1 | |
| | | CO-2 | |
| | | CO-3 | |
| | | CO-4 | |
| | | CO-5 | |

PO Attainment Analysis for CAY (2021-22)

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PO/PSO Target | 2.68 | 2.41 | 2.24 | 2.01 | 2.04 | 1.23 | 1.03 | 1.36 | 1.97 | 1.87 | 1.60 | 2.44 | 1.34 | 1.17 |
| PO/PSO Attainment | 2.06 | 1.86 | 1.73 | 1.54 | 1.58 | 0.98 | 0.80 | 1.08 | 1.55 | 1.48 | 1.24 | 1.86 | 1.04 | 0.93 |

| | | | | | | | | | | | | | | |
|-----------------|-------------|----------|----------|--------|----------|----------|-------|----------|----------|----------|----------|----------|----------|----------|
| % PO attainment | 76.98754283 | 77.00569 | 77.41234 | 76.753 | 77.31819 | 79.17621 | 78.47 | 79.75677 | 78.99051 | 79.35535 | 77.69699 | 76.53559 | 77.56428 | 79.46894 |
|-----------------|-------------|----------|----------|--------|----------|----------|-------|----------|----------|----------|----------|----------|----------|----------|

Table 2.1.1.h Analysis Summary for PO-Attainment for CAY (2021-22)

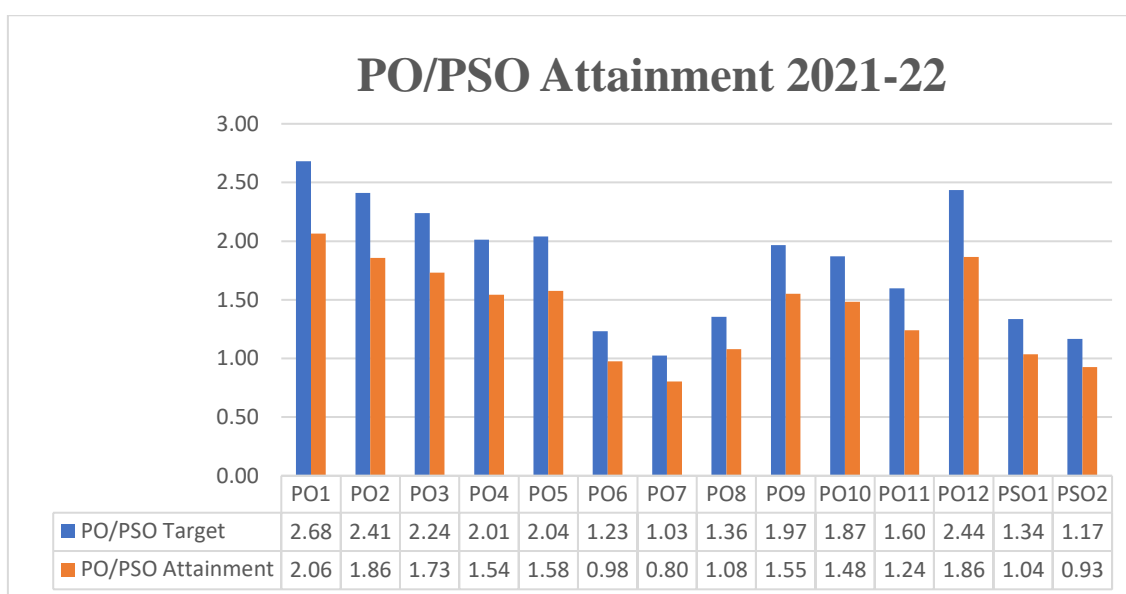


Figure 2.1.1.a Bar Chart Showing Analysis of PO Attainment for CAY (2021-22)

Methods used by department for compliance of the University curriculum for PO attainment:

- Lectures (Chalk and Talk)
- External/ Internal Special Lecture
- Technical Seminars
- Projects
- Industrial Visits and Technical Trainings
- Workshops
- Technical Activities
- E-Books, GATE/PSU Notes/Classes
- Placement Oriented Activities
- Personality Enhancement Activities
- Conferences
- Govt. Initiatives for E-Resources (Virtual lab, Swayam, NPTEL)
- Intershala
- ICT based Learning through NITTTR Chandigarh

- Social Activities

Gap Identification Process

Following are the criteria used to determine extent of compliance of university curriculum for attainment of POs:

- Course Outcome (CO) Identification
- CO-PO Mapping
- Identification of Curriculum Gap through tool assessment

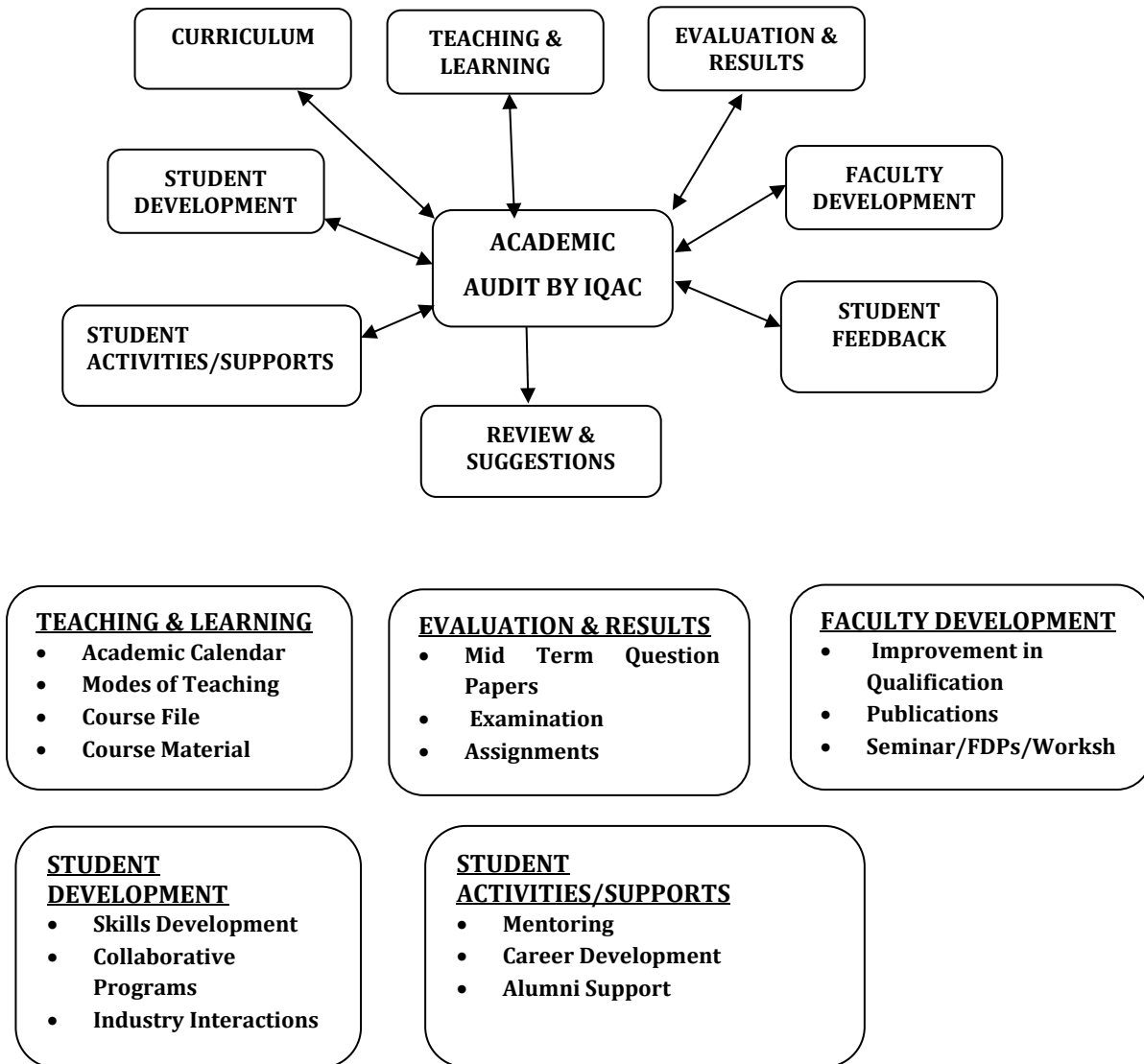


Figure 2.1.1.b Roles of Academic Audit by IQAC team for Gap analysis

Department of Electronics & Communication Engineering

To attain POs, if some components are not included in the curriculum provided by RTU, then our department makes additional efforts to impart such knowledge by covering aspects through “**CONTENT BEYOND SYLLABUS**” that is identified by a proper “**GAP analysis**” process. Following table gives an insight of various PO attainment tools through which gap analysis is done for the department of Electronics and Communication Engineering.

| Tool Name | Activity for Tool Assessment | Analysis through Tool | Observation/Gap | Gap Recovery | PO/PSO Attainment |
|---------------------------------|-------------------------------------|---|--|--|--|
| ACADEMIC ASSESSMENT TOOL | <i>MTT Result</i> | Student performance based on Theory and Practical Exams | Students' Performance below Target | Assignments, Extra Classes, Invited Talks, Re-Tests, OBTs, etc. | PO1, PO2 |
| | <i>Final RTU Result</i> | | | | |
| | <i>Labs/Experiments</i> | | | | |
| | <i>Projects</i> | Application/Industry based Learning | Students lag in relating theoretical aspects in Practical terms | Project Competitions, Technical trainings, Industry Interaction through visits, etc. | PO3, PO5, PO11, PSO1 , PSO2 |
| <i>Industrial Trainings</i> | | | | | |
| PLACEMENT TOOL | <i>Final Placed Strength</i> | Ability to select for job | Students lag in communication-skills and Lack of Reasoning Aptitude | Face Classes, Expert talks | PO10, PO12 |
| | <i>Mentoring</i> | Guide the students to to enhance the Inter-Personal skills | Students are not rich in their soft-skills and they are also not motivated | Class Coordinators, Mentors for Placement, GD/PI Classes, Mocks | PO10, PO12 |
| | <i>Soft-Skills</i> | | | | |
| | <i>Higher Studies</i> | Proportion of students who go for higher education/Govt. Jobs | Very Low percentage of selections in PSUs and GATE reflects their poor Technical knowledge | Govt. Job Portal, Technical talks, Course Material for higher studies | PO1, PO2 |
| <i>PSU/GATE</i> | | | | | |
| BEYOND CURRICULUM TOOL | <i>Technical Events</i> | Encouragement to implement Theoretical aspects through Participation | Participation in-house and outside college by few students only reflects lack of interest and confidence | Technical Events, Technical Seminars, etc. | PO2, PO3, PO5, PO9, PO10, PSO1 |
| | <i>Social Events/Extra Activity</i> | To indulge students in society for Ethics inputs | Students lack in creating a linkage between social and professional aspects | Blood Donation, Vande Mataram, Clean Campaign, Marathon, etc. | PO6, PO8, PO9 |
| | <i>Conference/Workshops</i> | To impart Research/Industry oriented skill-set along with work- culture | Very less interest and involvement in R & D works and industrial working ethics are missing | National/International Conferences, Workshops, Seminars, Industrial visits, etc. | PO1, PO3, PO4, PO10, PSO1 , PSO2 |
| | <i>Industrial Visits</i> | | | | |
| | <i>E-Resources</i> | Motivation for Universal Learning approaches | Students are not updated in terms of latest technologies | Swayam portal, EdX, NPTEL videos/lectures, e-Books, etc | PO1, PO10, PO12 |

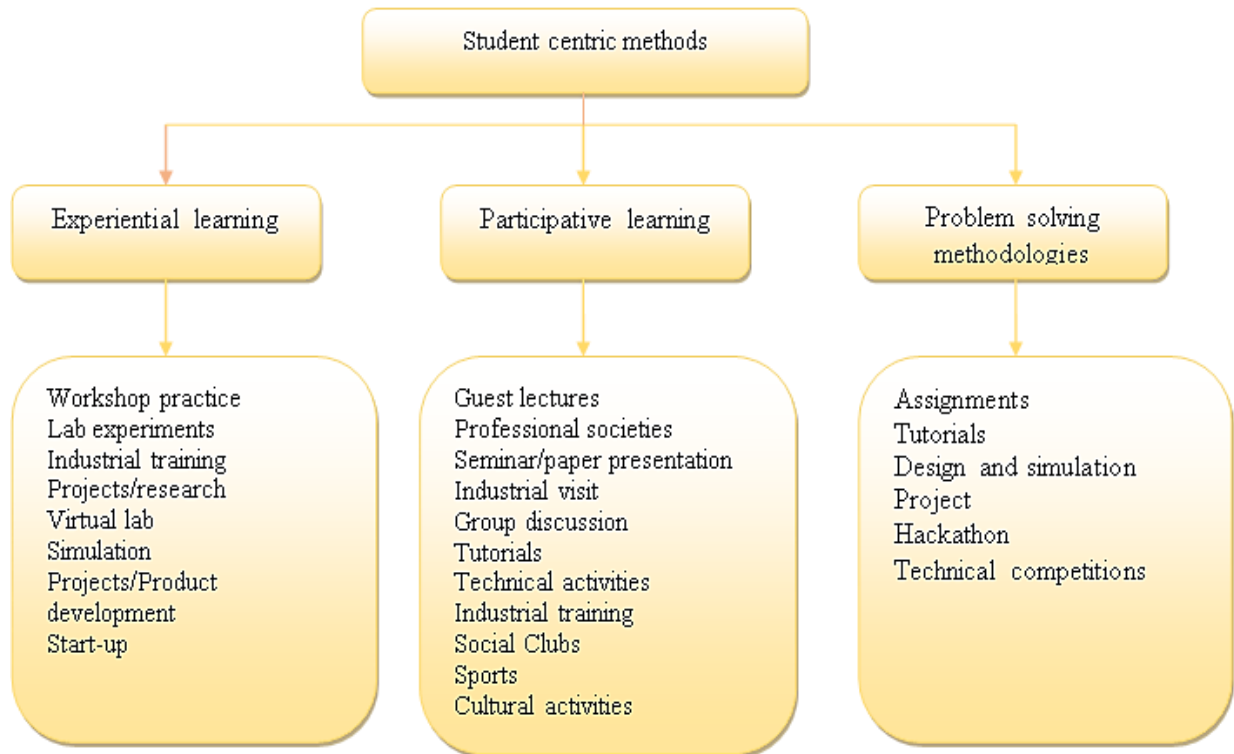
Table 2.1.1.i Tool Analysis for Gap identification with PO/PSO mapping

Identified Gaps:

- Students lag in relating theoretical aspects in Practical terms
- Students lag in communication-skills and Lack of Reasoning Aptitude
- Students are not rich in their soft-skills and they are also not motivated
- Low percentage of selections in PSUs and GATE

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- Students lack in creating a linkage between social and professional aspects
- Poor interest and involvement in R & D works
- Following is the category of activities through which success rate and consequently the placements are increased.



- The Success Rate includes students' participation in various technical and cultural activities, their participation in conferences, workshops, Industrial visits, Invited and Expert talks, their Placements, their results, their Projects, their mandatory industrial internships, etc.
- Outcome of participative and experiential learning shows the impact in placement and other performance parameters.

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2.1.2. State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs (10)

(Provide details of the additional course/learning material/content/laboratory experiments/projects etc., arising from the gaps identified in 2.1.1 in a tabular form in the format given below)

| Departmental Technical/Non-technical Activities | | | | | |
|--|--------|--|---------------------|---|--------------------|
| S.No | Deptt. | Name of activity | Date of activity | Link | |
| | | | | Report | No. of Participant |
| Invited Talks | | | | | |
| 1 | ECE | A one day Seminar on "Career Guidance & Future Opportunities After Engineering" | 24-02-2022 | https://docs.google.com/document/d/1uDZ2Aj6tbmI-19v3zSBZ4ltgSL6srXV5/edit?usp=sharing&oid=102361748780843244866&rtpof=true&sd=true | 68 |
| 2 | ECE | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 2-3 February 2022 | https://docs.google.com/document/d/1h753eHEZQkFEKZvuz97ZNBOrb1HpT4ef/edit?usp=sharing&oid=102361748780843244866&rtpof=true&sd=true | 123 |
| Workshops | | | | | |
| 1 | ECE | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 05-06, October 2021 | https://docs.google.com/document/d/1vqqUBrZJvOjGdg51oGYnsrEFlkWrwKrn/edit?usp=sharing&oid=102361748780843244866&rtpof=true&sd=true | 164 |
| 2 | ECE | One Day Workshop on "Learn to code, Design the future" | 03-Mar-22 | https://docs.google.com/document/d/1udew7xGKEVUKB7uPMe4a6e2Z-Q2jSPLo/edit?usp=sharing&oid=102361748780843244866&rtpof=true&sd=true | 116 |



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| <u>Project Exhibition</u> | | | | | |
|----------------------------------|-----|--|-------------------------------|---|-------------------|
| 1 | ECE | One Day hardware Project Exhibition on Embedded System & Its Application | 03-Dec-21 | https://docs.google.com/document/d/1IWwRQ1UeAdSWQqdrYdKtDAiMlzIyILDvO/edit?usp=sharing&oid=102361748780843244866&rtf=true&sd=true | 130 (34 projects) |
| <u>Conferences</u> | | | | | |
| 1 | ECE | 2 nd International Conference on Advances in Materials Science, Communication and Microelectronics (ICAMCM-2022) | 17-18 June 2022 | https://drive.google.com/file/d/1nVdueoVqpYalRdInzW-b7xuC5NV4pWxo/view?usp=sharing | 120 |
| 2 | ECE | National Conference on Recent Advancements in Communication, Optical, Nanotechnology (RACON 2022) is being organized at the Department of ECE, JECRC Jaipur, India | 7-8 June 2022 | https://drive.google.com/file/d/1YV5T2v5cH1TM2JtJcaVa_J74IM8XwM2w/view?usp=sharing | 210 |
| <u>FDPs</u> | | | | | |
| 1 | ECE | ATAL sponsored 5-Days FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 3-7 January 2022 | https://drive.google.com/file/d/1YTUVk0Dp7Hns0iEzyco63EONEQH1zIrs/view?usp=sharing | 116 |
| <u>ADD -ON Course</u> | | | | | |
| 1 | ECE | Machine Learning and Data Science using Python | 30 days (5 September 2021- 10 | https://drive.google.com/file/d/1W0MvvZIJ-whJ-HHjFjrb61ezdb4hTIyd/view?usp=sharing | 135 |



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| | | | | | |
|--------------------------------------|-----|-----------------------------|--|---|-----|
| | | | October 2021) | | |
| 2 | ECE | Embedded System | 30 days (11 October 2021 - 20 Novemeber 2021) Offline | https://drive.google.com/file/d/1PWVSoH4BWBSMUXoDaXMRZerSyUqBmFx2/view?usp=sharing | 159 |
| 3 | ECE | Artificial Intelligence | 30 days 8 January, 2022 to 15 Feburury 2022 | https://drive.google.com/file/d/1jnQuebpH4nI0eHP9Ev488zDukuefjNwr/view?usp=sharing | 164 |
| <u>Other Technical Events</u> | | | | | |
| 1 | ECE | Formula Zero (A robot race) | 15-Sep-21 | https://docs.google.com/document/d/1xfsm58HITY1dvkXV74GPWSJFs8PqC6Ww/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 109 |
| 2 | ECE | Robo Soccer (A robot match) | 18 October, 2021. | https://docs.google.com/document/d/1affYrV46VtE5JDbw4Kc4dXDezu1tiVkx/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 150 |



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| | | | | | |
|---|-----|-------------------------------|--------------------------|---|----|
| 3 | ECE | Robo Sumo War (A robot fight) | 22 November, 2021. | https://docs.google.com/document/d/1pD_IFyIOf21f3PX7bGe0TQ7rF6dIEVNK/edit?usp=sharing&oid=113869199378046540600&rtopof=true&sd=true | 80 |
| 4 | ECE | Renovator | 28-02-2022 | https://docs.google.com/document/d/1yiHHbR_4gM5TEPbyNq4VMKHTlghBsuCe/edit?usp=sharing&oid=113869199378046540600&rtopof=true&sd=true | 61 |

Table 2.1.2.a Activities during CAY (2021-22)



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| Content beyond the syllabus 2021-22 | | | | | | | |
|-------------------------------------|--|--|--------------------|----------------------------------|---------------|--|--|
| S. No. | Course Name | Topic(s) as Content beyond Syllabus | Mode of Conduction | Resource Person with Designation | % of Students | Learning Outcomes | Relevance to POs and/ PSOs |
| 1. | Engineering Mathematics | Rouche's Theorem & its Applications | PPT | -- | 60% | Knowledge about Rouche's theorem and its applications | PO1, PO2, PO12 |
| 2. | Analog Electronics | Modulation Techniques | PPT | Dr. Girraj Sharma | 70% | Knowledge about oscillator circuits | PO1, PO2, PO4 |
| 3. | Electronic Measurement & Instrumentation | Different types of AC bridges | PPT | -- | 64% | Knowledge about signal generation by different AC bridges | PO1, PO2, PO3, PO4, PO12 |
| 4. | Signals & Systems | Decimation & interpolation | PPT | -- | 70% | analysis of signals sampling by decimation and interpolation | PO1, PO2, PO4, PO6, PO12 |
| 5. | Control Systems | Sampled Data control systems | Lecture | -- | 68% | Knowledge about the control system and knowledge of stability analysis | PO1, PO2, PO5 |
| 6. | Antenna & Wave Propagation | Antenna Defects | Lecture | -- | 65% | Students learnt about minimizing the size of antenna and its effects on various antenna parameters | PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12 |
| 7. | Digital Signal Processing | Multirate Signal Processing, Adaptive Processing, Auto correlation | Video Lecture | -- | 68% | Students learnt about Signal Processing | PO1, PO2, PO4, PO5, PO6, PO8 |

Table 2.1.2.b Delivery details of Content beyond Syllabus topics for Gap Fulfilme



2.2. Teaching -Learning Processes (100)

2.2.1. Describe Processes followed to improve quality of Teaching & Learning (25)

(Processes may include adherence to academic calendar and improving instruction methods using pedagogical initiatives such as real world examples, collaborative learning, quality of laboratory experience with regard to conducting experiments, recording observations, analysis of data etc. encouraging bright students, assisting weak students etc. The implementation details and impact analysis need to be documented)

- Faculty members are oriented towards Outcome Based Education (OBE) and are actively utilizing the OBE to cater the learning needs of students by innovative ways.
- As per RTU norms, rather than referring Academic Calendar published on the university's website, the department publishes its own Academic Calendar involving the regular teaching plan as well as other extra student centric activities. It also includes the intimation of regular Midterm examinations and class tests.

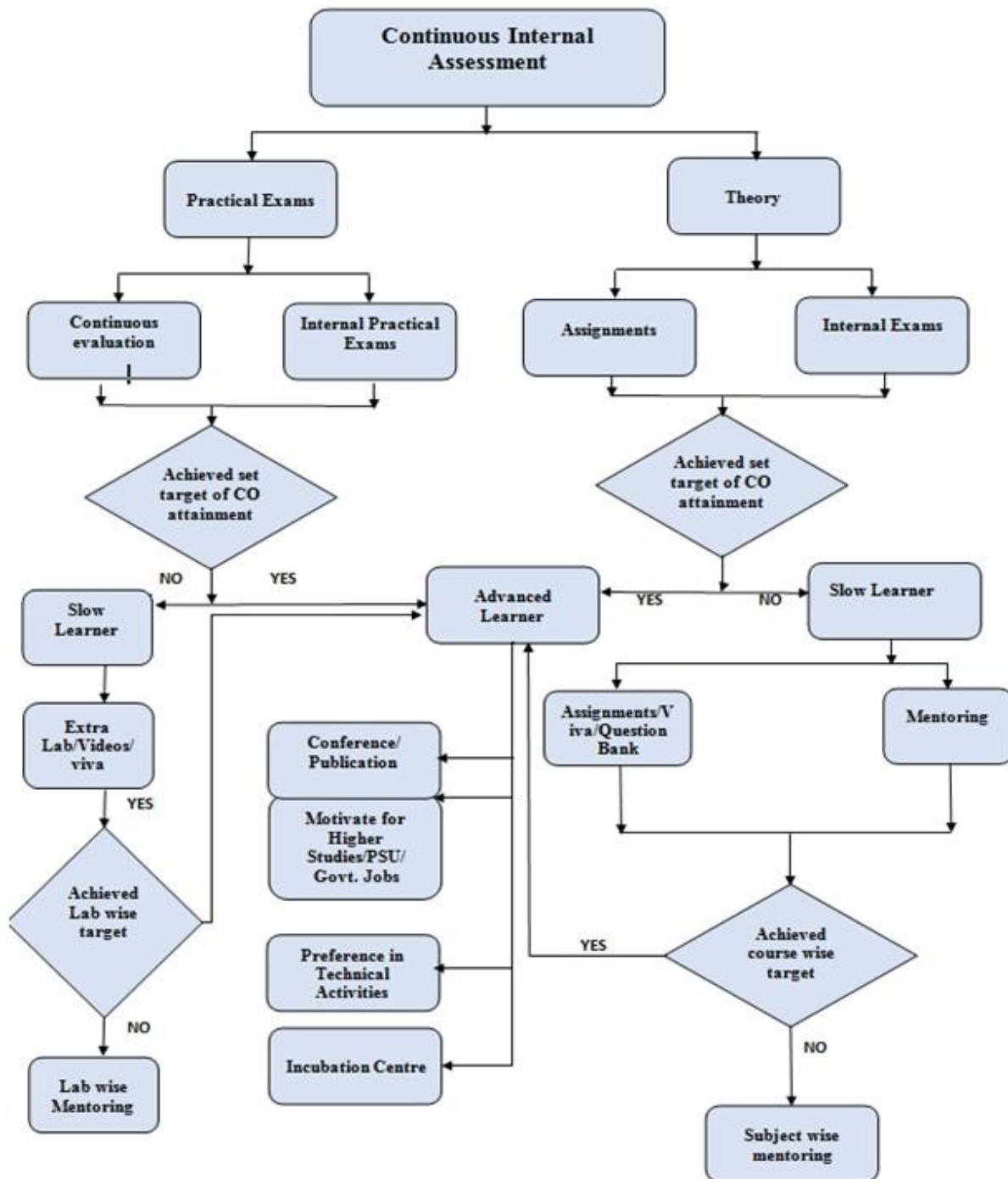


Figure 2.2.1.a Teaching-Learning Processes

- Lecture Delivery is made innovative in the department by inculcating various methods in the teaching learning process like recalling prior related topics, generating questions, responding to generated queries, etc. All these methods are generally performed in cooperative approach like Group Discussions and Seminars.
- In labs, the delivery to the students is performed with the help of latest software and performance of each student is evaluated in the Lab Performance Report. Viva voce and seminars are taken in the respective labs.

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- Experiments in the laboratories are conducted as per the university guidelines. Some discussions are made beyond syllabus relevant to the course. Laboratory manuals explaining the details of the experiment are available with the course teacher and are given to students during the semester.
- Faculty members not only provide well written unit wise notes but also focuses on the materials provided online by the well renowned universities. They focus on the video lecture material provided to the students online e.g. NPTEL, SWAYAM. It enhances the capability of students to not only understand the context but also its practical approaches.
- Oral Questionnaire and Query Session in each lecture delivery of respective subjects.
- Class Tests and Assignments are being taken by faculty members for each respective subject.
- Performance Report is discusses to the students on regular basis.
- Mentoring sessions are conducted to provide guidance to students towards achieving professional requirements and assessment of his/her academic progress as well as personal growth. One-one discussion, interaction between faculty member and students has increased confidence levels of the students.
- Projects are mandatory for VII Semester and VIII Semester students. Students make their minor and major projects under the supervision of their respective Guide Faculty members.
- Faculty Development Programs are organized in the department to ensure that the faculty members have the knowledge of latest technologies.
- The department has provision of showing answer sheets of internal examination to the students. They can compare their answer with other students and also with text books. They can discuss with respective subject teacher. Faculty members are use assignments, tutorials, quiz etc. This has added value to the system.
- The department gives emphasis on concept building and exposure of latest knowledge of the subject. For this following measures are taken: practical exposure, communication skill and social responsibilities.
- For developing communication skills, group discussions, presentation on theory based and general topics are regularly carried out in the class.
- Course outcomes are defined not only for the subjects but their respective labs also. Then course outcomes are mapped with the program outcomes. This mapping depicts the achievement of the particular learning outcome.
- The examination evaluation is also performed on the basis of course outcomes which ensure the result of the achievement of outcomes. Generally this criterion for achievement is 60%.
- The midterm exams are evaluated on the basis of course outcomes. 60% achievement of each student in the respective subject ensures the achievement of the course outcome. If any student doesn't achieve the required criteria, he/she is given the assignments related to those course outcomes in which the student did not secure 60% marks.
- The bright students having high academic track records are encouraged by faculty members to achieve university ranks, also encouraged to take up competitive examinations like GATE, GRE etc. The faculty members encourage the students, those having orientation towards research to do research work and publish their research work in National & International Conferences and Journals

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1. ACADEMIC CALENDAR

Institutional calendar is prepared and aligned with academic calendar of RTU. In addition to events proposed by the college in academic calendar, our department introduces many other events and activities that are beneficial in overall development of the students. Also, training and placement skill development program is also a part of our academic calendar so that the students can gain on technical as well as personality development that consequently make them employable.

Sample Academic Calendar for Odd Semester CAY (2021-22) is shown below

|  Jaipur Engineering College and Research Center, Jaipur Department of Electronics and Communication Engineering Academic calendar Jul'-Dec' 2021-22 | | |
|--|--|---|
| Month & Year | Proposed Date | Proposed Event |
| July 2021 | 1/7/2021 | Departmental Meeting regarding to semester planning |
| | 2/7/2021 | CO-PO Discussion with III & VII Sem |
| | 5/7/2021 | Submission of course plan/Lecture plan for odd semester |
| | 20/7/2021 | Meeting of Class Coordinators with HoD |
| | Last week of July | Social Activity [Tree Plantation] |
| | 26/7/2021 | CRT Training of VII sem |
| | 31/7/2020 | Mentor's Meeting with Students All Semester |
| Aug 2021 | 7/8/2021 | Meeting of HoD with faculty members/technical staff members |
| | 15/8/2021 | Independence Day celebration |
| Sept 2021 | 1/9/2021 | Commencement of classes of VII sem |
| | 5/9/2021 | Teacher's Day Celebration |
| | 9/9/2021 | Meeting of HoD with faculty members/technical staff members |
| | 15/9/2021 | Engineer's Day Celebration |
| | 20/09/2021 | Commencement of classes of III and V sem |
| | III Week of Sept | Social Activity [Campus Swachta Abhiyan] |
| | 28/9/2021 | Attendance Summary, Letter to Parents, Prepare List of short attendance students ,action Taken fir VII sem |
| 29/9/2021 | Meeting of Class Coordinators With HoD | |
| OCT 2021 | 1/10/2021 | Mentor's Meeting with Students All Semester |
| | 1/10/2021 | Faculty feedback |
| | 2/10/2021 | Social Activity |
| | 2/10/2021 | Attendance Summary, Letter to Parents, Prepare List of short attendance students ,action Taken for IIIrd, Vth sem |
| | 4/10/2021 | Webinar |
| | 18/10/2021 | DQAC Meeting |



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| | | |
|-----------------|------------|---|
| | 21/10/2021 | Meeting of HoD with faculty members/technical staff members |
| | 25/10/2021 | Commencement of First Mid Term of V sem |
| | 28/10/2021 | Commencement of First Mid Term of III sem |
| Nov 2021 | 03/11/2021 | Diwali Break |
| | 08/11/2021 | Assignment to weak students on the basis of CO analysis and assignment for all students |
| | 10/11/2021 | Attendance Summary, Letter to Parents, Prepare List of short attendance students |
| | 15/11/2021 | MTT-II (VII Semester) |
| | 17/11/2021 | Grievance related to exam |
| | 22/11/2021 | Last date of submission of Unit test MTT -II (V and VII Semester)marks with CO analysis to the examination cell |
| | 23/11/2021 | Assignment to weak students on the basis of CO analysis and assignment for all students |
| | 23/11/2021 | Attendance Summary, Letter to Parents, Prepare List of short attendance students |
| | 25/11/2021 | Classes for Weak Students of VII Sem |
| | 28/11/2021 | MTT-II (III Semester) |
| Dec 2021 | 03/12/2021 | Grievance related to exam |
| | 06/12/2021 | Last date of submission of Unit test MTT -1 (III sem)marks with CO analysis to the examination cell |
| | 09/12/2021 | Assignment to weak students on the basis of CO analysis and assignment for all students |
| | 15/12/2021 | Last Working Day VII Semester |
| | 16/12/2021 | Commencement of Practical Exam VII Semester |
| | 24/12/2021 | Commencement of Practical Exam V Semester |
| | 23/12/2021 | Webinar |
| | 27/12/2021 | Lab audit and academic audit |

2. Maintenance of Course files

For each course, a course file is prepared by the teaching faculty. The contents of course file include following attributes:

- Vision and Mission of College
- Vision and Mission of department
- RTU scheme
- Syllabus of Course
- Program outcomes and Program Specific Outcomes
- Course Outcomes
- Mapping between COs and POs
- Lecture Plan
- MTT details including Question paper, Paper solution, Award List, Result analysis, List of weak students, Assignments, Improvement Paper for weak students, etc.
- Previous years RTU Question papers



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- Lecture Notes

Lecture plan

Lecture plan includes division of every course in 40 lectures minimum with specification of each lecture number and content wise. It also includes the modes through which any topic will be conducted and any changes in actual delivery dates against defined deployed dates and mention reason for that too. The Lecture plan exclusively includes a number of “**Content beyond syllabus**” topics that shall be covered in course of time.

Shown below is the actual Lecture Plan filled format:

| Subject: 3EC4-05: Signals & Systems | | | | Year/ Semester: III | | |
|--------------------------------------|--|-------------|-----------|---------------------|---------------|--------|
| No. of Lecture Req. / (Avl.) : 38/38 | | | | | | |
| Semester Start Date: 15/09/21 | | | | Semester End Date: | | |
| Unit No./ Total lect. Reqd. | Topics | Lect.R eqd. | Lect. No. | Planned Date | Delivery date | Remark |
| Unit-1 | Zero Lecture: Objective, scope and outcome of the course | 1 | 1 | | 15-09-21 | |
| | Energy signals power signals | | 1 | | 15-09-21 | |
| | Continuous and discrete time signals | 1 | 2 | | 20-09-21 | |
| | Continuous amplitude signals and discrete amplitude signals | | 2 | | 20-09-21 | |
| | System properties: linearity: additivity and homogeneity | 1 | 3 | | 22-09-21 | |
| | shift-invariance, causality | | 3 | | 22-09-21 | |
| | stability, realizability. | 1 | 4 | | 27-09-21 | |
| | | | 4 | | 27-09-21 | |
| Unit- 2 | Linear shift-invariant (LSI) systems | 1 | 5 | | 29-09-21 | |
| | impulse response | | 5 | | 29-09-21 | |
| | Step response | 1 | 6 | | 04-10-21 | |
| | Convolution. | | 6 | | 04-10-21 | |
| | Input output behavior with aperiodic convergent inputs | 1 | 7 | | 11-10-21 | |
| | Characterization of causality and stability of linear shift-invariant systems. | | 7 | | 11-10-21 | |
| | System representation through differential equations and difference equations. | 1 | 8 | | 13-10-21 | |
| | Characterization of causality and stability of linear shift-invariant systems. | | 8 | | 13-10-21 | |
| | System representation through | 1 | 9 | | 18-10-21 | |

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| | | | | | | |
|---|--|-----------------------|----|----|----------|----------|
| | differential equations and difference equations. | | | | | |
| | Periodic and semi-periodic inputs to an LSI system | 1 | 10 | | 20-10-21 | |
| Unit-3 | The notion of a frequency response. | 1 | 11 | | 25-10-21 | |
| | Its relation to the impulse response | | 11 | | 25-10-21 | |
| | Fourier series representation | 1 | 12 | | 15-11-21 | |
| | Fourier Transform | | 12 | | 15-11-21 | |
| | Convolution/multiplication and their effect in the frequency domain | 1 | 13 | | 17-11-21 | |
| | Magnitude and phase response | | 13 | | 17-11-21 | |
| | Fourier domain duality. | 1 | 14 | | 22-11-21 | |
| | The Discrete-Time Fourier Transform (DTFT) and Discrete Fourier Transform (DFT). | | 14 | | 22-11-21 | |
| | Parseval's Theorem. The idea of signal space and orthogonal Bases | | 15 | | 24-11-21 | |
| | Unit-4 | The Laplace Transform | 1 | 16 | | 27-11-21 |
| Notion of eigen functions of LSI systems | | 16 | | | 27-11-21 | |
| A basis of eigen functions, region of convergence | | 1 | 17 | | 29-11-21 | |
| Poles and zeros of system, Laplace domain analysis, | | 1 | 18 | | 4-12-21 | |
| Solution to differential equations and system behavior. | | | 18 | | 4-12-21 | |
| Unit-5: | The z-Transform for discrete time signals and systems-eigen functions, | 1 | 19 | | 6-12-21 | |
| | Region of convergence, z-domain analysis. | | 19 | | 6-12-21 | |
| | State-space analysis and multi-input, multi-output representation. | 1 | 20 | | 8-12-21 | |
| | The state-transition matrix and its role. | 1 | 21 | | 9-12-21 | |
| | The Sampling Theorem and its implications- Spectra of sampled | 1 | 22 | | 10-12-21 | |

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| | | | | | | |
|---------------|--|----------|-----------|--|----------|--|
| | signals. | | | | | |
| Unit 6 | Reconstruction: ideal interpolator, zero-order hold, first-order hold, and so on | 1 | 23 | | 11-12-21 | |
| | Aliasing and its effects. | 1 | 23 | | 11-12-21 | |
| | Relation between continuous and discrete time systems. | 1 | 24 | | 14-12-21 | |

3. Use of Various instructional methods and pedagogical initiatives: Following are the methodologies used in department to adhere to the best delivery of course with best practices for the attainment of various POs:

- **Use of various Modes of Teaching** e.g. Content beyond syllabus, External Speakers, PPTs, Video Lectures/Webinars, Tutorials/Assignments, Industrial visits, etc.
- **Online Tools for Advanced Content** from various web-based approaches e.g. NPTEL pdf and video lectures, SWAYAM portal lectures, etc.
- **Classified ways to examine students** e.g. Class Tests, Open Book Tests, Technical Quizzes, etc.
- **Mentoring the Students** to monitor the issues and grievances about their performance and to rectify them through proper counseling
- **Various Technical Activities** to enrich students with beyond curricula and application specific strengths
- **Conferences/Workshops** conduction for hands on analytical/practical exposure

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Every faculty has to maintain the record of delivery against every unit topic-wise in the prescribed sample format as shown below:

| Modes of Teaching (CAY 2021-22) | | | | | | | | | | | | |
|---------------------------------|--|-------------|------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|-----------------------------------|--|---------------------------------|------------------------|--------------------------|
| S. No. | Course Name | Course Code | Unit Wise Module Name | No. of Lectures required | Topic of Content beyond syllabus | Lecture from External Speaker | Power Point Presentation | Video Lectures | Assignments | Open Book Test | Practical/Laboratory | POs Acquired |
| 6 | Engineering Mathematics | 3EC6A | Laplace transform | 8 | Rouche's theorem and its applications | -- | PPT on Rouche's Theorem | -- | -- | -- | | Po1, PO 2, PO 3, PO12 |
| | | | Fourier Series & Z-Transform | 8 | -- | -- | -- | -- | -- | | | |
| | | | Fourier Transform | 8 | -- | -- | -- | -- | -- | | | |
| | | | Complex variable | 8 | -- | -- | -- | -- | -- | | | |
| | | | Complex variable | 8 | -- | -- | -- | -- | -- | | | |
| 7 | Analog Electronics | 4EC1A | Feedback amplifier | 8 | -- | -- | Feedback topology | Classification of amplifiers | MTT1 (A1 for CO1, CO2) MTT2(A2 for CO3) | Nyquist criterion | Analog electronics lab | PO1, PO2, PO4, PO12 |
| | | | Oscillator | 9 | Modulation techniques | -- | Multivibrator | -- | MTT2 (A1 for CO1, A2 for CO2 and A3 for CO3) | -- | | |
| | | | High frequency amplifier | 7 | -- | -- | Hybrid -pi model | -- | | | | |
| | | | Tuned amplifier | 8 | Basics of antenna | -- | -- | Double tuned amplifier | -- | | | |
| | | | Power amplifier | 8 | Types of transducer | -- | Types of power amplifier | Classification of power amplifier | Class b push pull amplifier | | | |
| 9 | Electronic Measurement & Instrumentation | 4EC3A | Theory of errors | 8 | -- | -- | -- | -- | MTT-1 A1 for CO-1 | Wattmeter errors | | PO1, PO2, PO3, PO4, PO12 |
| | | | Electronic instruments | 8 | -- | -- | -- | -- | -- | Measurement of Earth resistance | | |



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|----|-------------------|-------|--|----|--|----------------------------|------------------------|-----------------------------------|--|-------------------------------|-----------------------|--------------------------------------|
| | | | Oscilloscopes | 9 | -- | -- | -- | -- | MTT-2 A2 for CO-2 A3 for CO-3 | Scanning Oscilloscope | | |
| | | | Signal generation and signal analysis | 8 | Different types of AC bridges | -- | AC bridges | Classification of AC bridges | -- | Distortion meter | | |
| | | | Transducers | 7 | -- | -- | -- | -- | -- | resistance wire strain gauges | | |
| 13 | Signals & Systems | 5EC1A | Introduction | 8 | singularity function | -- | -- | -- | MTT1(A1 for co1,co2) | -- | Signal processing lab | PO1, PO2, PO3, PO5,PO6,PO7,po10,po12 |
| | | | Fourier series representation of signals | 8 | -- | -- | -- | MTT2(A2 for co3,) | -- | | | |
| | | | Fourier transform | 9 | application of CTFT & DTFT | -- | -- | MTT2(A3 co3,co4,) | -- | | | |
| | | | Z-transform & Laplace transform | 9 | unilateral Laplace & Z-transform | -- | -- | -- | -- | | | |
| | | | Sampling | 6 | Decimation & interpolation | -- | -- | -- | -- | | | |
| 23 | Control Systems | 6EC5A | Control System and their representation | 7 | Sampled Data control systems | Society and Control System | Time Response Analysis | -- | -- | -- | | PO1, PO2,PO3,PO5,PO10,PO12 |
| | | | Time Response, Stability | 7 | Error Analysis using MATLAB | -- | Bode-plot | State Space Model | -- | -- | | |
| | | | Root-locus, Nyquist Plots | 8 | -- | -- | Root-locus | Nyquist plot. | MTT1 (A1 for CO1, A2 for CO2 and A3 for CO3) | Bode Plot | | |
| | | | Bode Plots, Controller | 10 | -- | -- | -- | Routh-Hurwitz stability criterion | | Root Locus | | |
| | | | State variable analysis, Compensation Design | 8 | Stability analysis of digital control system – An Introduction | -- | -- | -- | MTT2 (A1 for CO1, A2 for CO2 and A3 for CO3) | -- | | |

Department of Electronics & Communication Engineering

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|----|----------------------------------|-------|--------------------------------------|----|----------------------------|-------------------|-------------------------|-----|--|---------------|-----------------------------|------------------------------|
| 26 | Digital Signal Processing | 7EC2A | Sampling | 7 | Multirate Sampling | -- | DFT, FFT, Keiser Window | LTI | MTT1 (A1 for CO1, A2 for CO2 and A3 for CO3) | Filter Design | Signal and Image Processing | PO1, PO2, PO3, PO4, PO5, PO6 |
| | | | Transform analysis of LTI systems | 7 | Adaptive Signal Processing | -- | -- | -- | | -- | | |
| | | | Structures for discrete-time systems | 7 | Auto Co relation | Cross Co relation | -- | -- | MTT2 (A1 for CO1, A2 for CO2 and A3 for CO3) | -- | | |
| | | | Filter design techniques | 10 | -- | -- | -- | -- | | | | |
| | | | DFT, FFT | 10 | -- | -- | -- | -- | | -- | | |

Table 2.2.1.b Delivery Details through various Modes of Teaching



1. Quality Improvement by the Faculty in Teaching and Learning

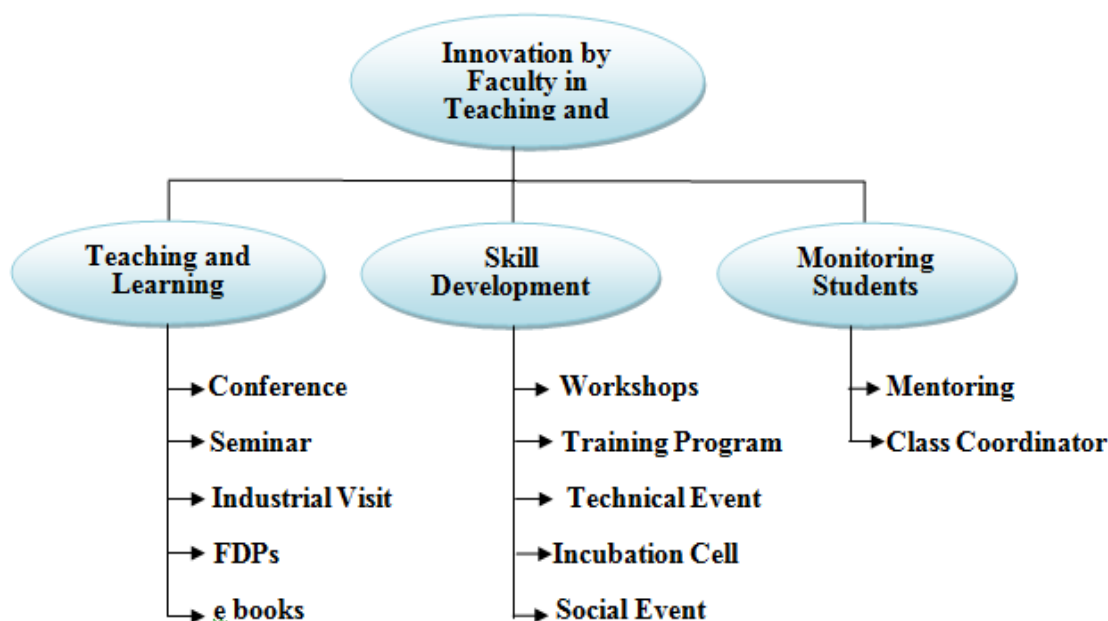


Figure 2.2.1.b Quality improvements by faculty through various modes

| Details of the FDP attained by Faculty Members in session 2021-22 | | |
|---|---|-----------------------------------|
| Name of Faculty | Title of the program | Duration (from – to) (DD-MM-YYYY) |
| Dr. Sandeep Vyas | Recent Trends in Robotics and Automation | 05/01/2022 to 11/01/2022 |
| Dr. Vinita Mathur | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | Coursera : Use Canva to Create Social Media Visuals for Business | June 6, 2022 |
| | Inculcating Universal Human Values in Technical Education organized by AICTE | 7th - 11th Feb 2022 |
| | Online Orientation Training Programme for Mentors organized by NITTR | 26th to 30th July 2021 |
| Dr. Parul Tyagi | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| Dr. Girraj Sharma | Application of Artificial Intelligence on VLSI and Communication Technology (AAIVCT-2022) | 07/03/2022 to 11/03/2022 |
| | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | Orientation training program for mentors | 26 -30 July 2021 |

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|----------------------------|---|---|
| | "Challenges in adapting Machine Learning towards 5G/6G Communications | 09/08/2021 to 13/08/2021 |
| | Machine Learning and Computer Vision | 2021-6-21 to 2021-6-25 |
| | Internet of Things in 5G Wireless Communication | 06/09/2021 to 10/09/2021 |
| | | |
| Dr. Shyam Sunder Manaktala | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| Mr. Jaiverdhan | online Faculty Development Programme on Advanced Optimization Techniques and hands-on with MATLAB/SCILAB | 6-17th September 2021. |
| | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | AICTE Orientation training program for mentors | 26 -30 july 2021 |
| Mr. Vikas Sharma | 1, Recent Advances In Nanoscience And Nanotechnology 2. Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities 3. Recent Trends of Emerging Research Advances in Design Aspects and Innovative Modeling Techniques with Miniaturization for Electronics Devices and Circuits 4. Robotics and Artificial Intelligence | 1. 17-01-2022- 21-01-2022 2. 3-01-2022-7-01-2022 3. 24-01-2022- 28-01-2022 4. 7-02-2022- 11-02-2022 |
| Dr. Ajay Singh Yadav | 1-Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities 2-Wearable Devices 3-Emerging Tools and Techniques in VLSI, MEMS & MOEMS (ETTVMM-2022) 4- Online Orientation Training Programme for Mentors | 1-03/01/2022 to 07/01/2022 2-17/01/2022 to 21/01/2022 3-25/1/2022 to 29/1/2022 4- 26/07/2021 to 30/07/2021 |
| Ms. Ritu Vyas | Advance sensor technology for efficient biotechnology and energy management in smart cities | 3/1/22-7/1/22 |
| | Emerging tools & technology in VLSI, MEMS & MOEMS | 25/1/22-29/1/22 |
| | Artificial intelligence for IOT services in cloud | 28/2/22-4/3/22 |
| Mr. Rakesh Kumar Kardam | 1.NBA Accreditation Through Outcome based Education. 2.Recent Trends in computing | 21/02/2022 to 25/02/2022 , 01/02/22 to 05/02/22 |
| Mr. Raj Kumar Jain | 1.Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities 2.Recent Advances In Nanoscience And Nanotechnology 3.Control System and Sensor Technology 4.ONLINE FDP ON WASTE TECHNOLOGY | 1. 03/01/2022 to 07/01/2022 2.17/01/2022 to 21/01/2022 3.28/02/2022 to 04/03/2022 4.11/01/2022 to 15/01/2022 |

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| | | |
|---------------------------|--|--|
| Mr. Mangi Lal Meghwal | Character Building Through Moral values and Ethics | 5/04/21 to 10/04/21 |
| Mr. Jitendra Sharma | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| Mr. Ashish Kulshrestha | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | Recent Advances In Nanoscience And Nanotechnology | 17/01/2022 to 21/01/2022 |
| Mrs. Deepmala Kulshreshth | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | Recent Advances In Nanoscience And Nanotechnology | 17/01/2022 to 21/01/2022 |
| | Creative Plantation | 28/03/22 to 01/04/2022 |
| Mr. Deepak Shankhala | "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" f | 03/01/2022 to 07/01/2022 |
| Ms. Nishi Agarwal | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03.01.22 to 07.01.22 |
| | NBA Accreditation Through Outcome based Education | 07/03/2022 to 11/03/2022 |
| Mr. Devendra Sharma | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| Mr. Ashish Sharma | 1. Inculcating Universal Human Values in Technical Education | 9/08/2021 to 13 August 2021 |
| | 2. Advanced Optimization Techniques and hands-on with MATLAB/SCILAB | 6th to 17th September 2021 |
| Ms. Vipra Bohora | 1. Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities 2. Artificial Intelligence for Computer Vision | 03/01/2022 to 07/01/2022. 26/07/2021 to 30/07/2021 |
| Mr Sudarshan Jain | Advances in Solar Photovoltaic Emerging Materials and Technologies | 21/02/2022 to 25/02/2022 |
| | NBA Accreditation Through Outcome based Education | 07/03/2022 to 11/03/2022 |
| | Application of Artificial Intelligence on VLSI and Communication Technology (AAIVCT-2022) | 06/09/2021 to 10/09/2021 |
| Ms. Bhawana Karla | “Inculcating Universal Human Values in Technical Education” | |
| Ms. Yazusha Sharma | Advances in Solar Photovoltaic Emerging Materials and Technologies | 21/02/2022 to 25/02/2022 |
| | Emerging tools & technology in VLSI, MEMS & MOEMS | 25/1/22-29/1/22 |
| | International conference on advancement on Nanoelectronics and communication technologies | 24-26 Feb, 2022 |



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|------------------------|---|--------------------------|
| Ms. Anju Rajput | Writing and Publishing of Quality Research Articles and Ethics of Research | 21/02/2022 to 25/02/2022 |
| | System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA | 19 - 30 April, 2021 |
| | NBA Accreditation Through Outcome based Education. from | 21/02/2022 to 25/02/2022 |
| Mr. Jai Prakash Mishra | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | Computational Intelligence in Control, Power and Instrumentation | 31st Jan - 04th Feb 2022 |

Table 2.2.1.c Details of Participation of Faculties for Improvement in Teaching-Learning

5. Activities Conducted through External Entities for Improvement in Teaching and Learning

| S. NO. | Name of the Event | Date |
|--------|--|---------------------|
| 1. | A one day Seminar on "Career Guidance & Future Opportunities After Engineering" | 24-02-2022 |
| 2. | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 2-3 February 2022 |
| 3. | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 05-06, October 2021 |
| 4. | One Day Workshop on "Learn to code, Design the future" | 03-Mar-22 |
| 5. | One Day hardware Project Exhibition on Embedded System & Its Application | 03-Dec-21 |
| 6. | 2 nd International Conference on Advances in Materials Science, Communication and Microelectronics (ICAMCM-2022) | 17-18 June 2022 |
| 7. | National Conference on Recent Advancements in Communication, Optical, Nanotechnology (RACON 2022) is being organized at the Department of ECE, JECRC Jaipur, India | 7-8 June 2022 |

Table 2.2.1.d Activities conducted through External Entities

| Skill Development Initiatives for Students session 2021-22 | | | | | |
|--|-----|--|---|---|-----|
| ADD -ON Course | | | | | |
| 1 | ECE | Machine Learning and Data Science using Python | 30 days (5 September 2021- 10 October 2021) | https://drive.google.com/file/d/1W0MvvZlj-whJ-HHjFjrb61ezdb4hTIyd/view?usp=sharing | 135 |



Department of Electronics & Communication Engineering

| | | | | | |
|-------------------------------|-----|-------------------------------|---|---|-----|
| 2 | ECE | Embedded System | 30 days (11 October 2021 - 20 Novemeber 2021) Offline | https://drive.google.com/file/d/1PWVSoH4BWBSMUXoDaXMRZerSyUqBmFx2/view?usp=sharing | 159 |
| 3 | ECE | Artificial Intelligence | 30 days 8 January, 2022 to 15 Feburury 2022 | https://drive.google.com/file/d/1jnQuebpH4nI0eHP9Ev488zDukuefjNwr/view?usp=sharing | 164 |
| Other Technical Events | | | | | |
| 1 | ECE | Formula Zero (A robot race) | 15-Sep-21 | https://docs.google.com/document/d/1xfsM58HITY1dvkXV74GPWSJFs8PqC6Ww/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 109 |
| 2 | ECE | Robo Soccer (A robot match) | 18 October, 2021. | https://docs.google.com/document/d/1affYrV46VtE5JDbw4Kc4dXDezu1tiVkx/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 150 |
| 3 | ECE | Robo Sumo War (A robot fight) | 22 November, 2021. | https://docs.google.com/document/d/1pD_IFyIOf21f3PX7bGe0TQ7rF6dIEVnK/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 80 |
| 4 | ECE | Renovator | 28-02-2022 | https://docs.google.com/document/d/1yiHHbR_4gM5TEPbyNq4VMKHTlghBsuCe/edit?usp=sharing&oid=113869199378046540600&rtpof=true&sd=true | 61 |

Table 2.2.1.e Skill Development Initiatives for Students

6. Student Performance and Learning Outcomes

(i) To emphasize on concept building and exposure of latest technological trends as well as ethics impartment, following measures are taken

- **Practical Exposure** through presentations, case studies, group discussion, class tests and tutorials
- **Communication Skill Improvement** through group discussions, presentation on course based and general topics are regularly carried out in the class



- **Social responsibilities** for ethical measures

(ii) CO-PO Mapping is done for theory courses as well as laboratories to continuously monitor the performance scale for various learning outcomes

(iii) MTT Evaluation on CO basis ensures the result of the achievement of outcomes which is set as 60% minimum

(iv) Assignments for non-performing students (60% below in particular CO is the basis)

(v) Encouragement to students having excellent academic record

- To achieve university ranks
- To take up competitive examinations like GATE, GRE etc.
- To do research work

2.2.2 Quality of Internal Semester Question Papers, Assignments and Evaluation (20)

(Mention the initiatives, implementation details and analysis of learning levels related to quality of semester question papers, assignments and evaluation)

A. Process for Internal Semester Question Paper setting and evaluation and effective process implementation

The department ensures that all the students are aware of the evaluation processes through

- Syllabus and Scheme of Examination
- Time table of examination
- Paper Pattern and Question Paper Finalization through Scrutinizing committee
- Debarred Criteria
- Distribution of Marks as COs and display
- Display of marks with week student list
- Improvement paper based on COs
- Updating the Marks after Improvement-paper Performance (For Weak Students)

1. Student-Awareness for Examination-activities and the evaluation process

- Academic Calendar
- Syllabus and scheme of examination
- Time table of examination
- Ordinances and notices
- Test copies after evaluation are shown to students
- Students can see his/her copy after semester examination through re-opening on payment basis.

2. Examination reforms initiated by the department

The department has provision of showing answer sheets of internal tests to the students. They can compare their answer with other students. They can discuss with teachers. Few faculties use assignments, seminars, quiz etc. This has added value to the system.

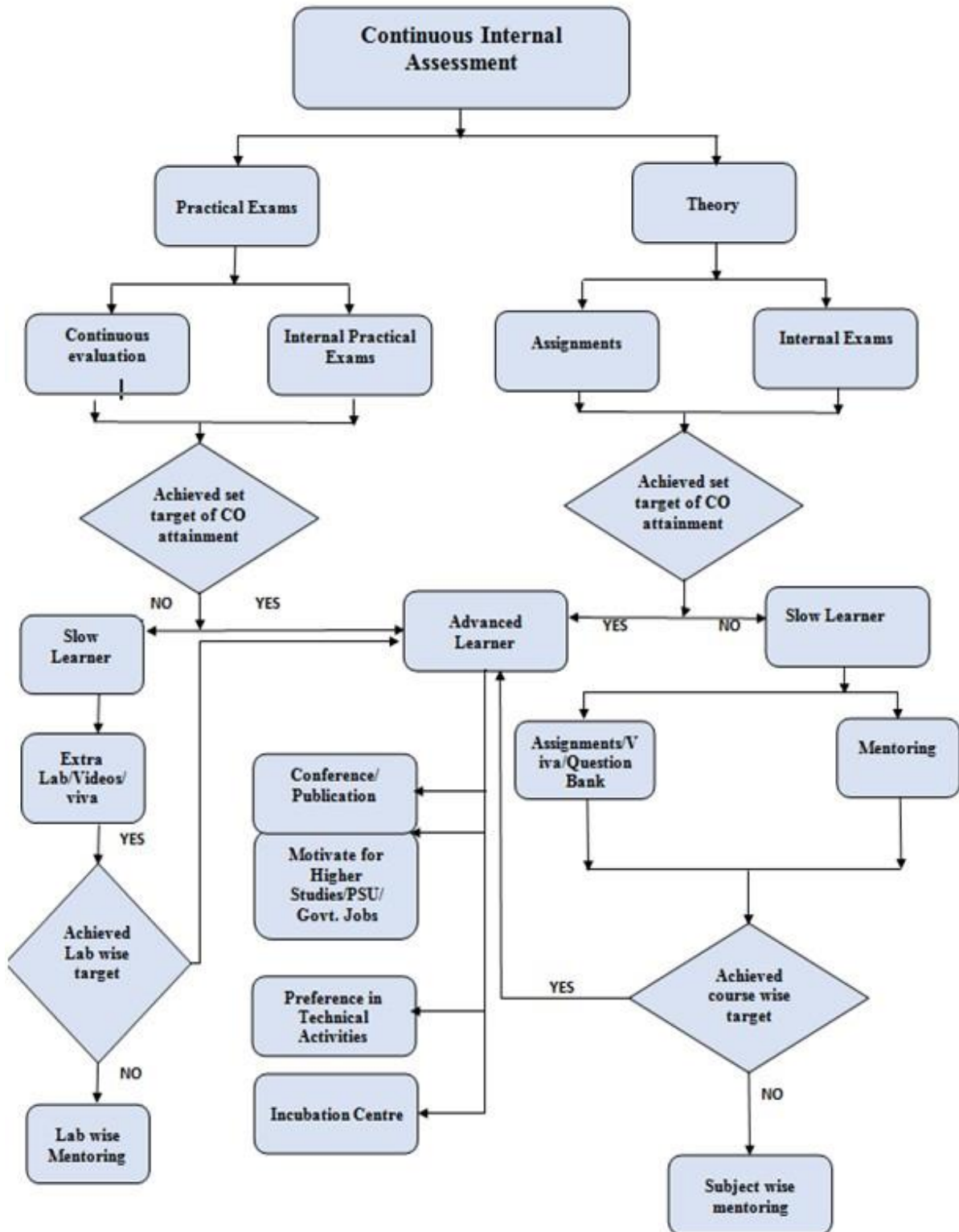


Figure 2.2.2.a Flow-chart of Examination Process

Department of Electronics & Communication Engineering

3. Quality Check and Redressal of Grievances

The department has a Moderation Committee for internal and external practical examination which is responsible to ensure the quality of internal examinations and to resolve the related issues.

Jaipur Engineering College & Research Centre **Department of Electronics & Communication Engineering**

Date: 11-08-2021



| | |
|-----------------------|-----------------------------|
| From: HOD, ECE | TO: Principal Office |
|-----------------------|-----------------------------|

NOTICE

It is hereby informed that a moderation committee for odd semester (2021-22) is formed for the evaluation process and the related analysis to enhance the quality of test papers.

| S. No. | FACULTY NAME | QUALIFICATION | DESIGNATION | ROLE |
|--------|---------------------|---------------|----------------------------|--------|
| 1 | Dr. Sandeep Vyas | Ph.D. | HOD & Professor | Member |
| 2 | Dr. Vinita Mathur | Ph.D. | Asso. Professor | Head |
| 3 | Dr. Girraj Sharma | Ph.D. | Asso. Professor | Member |
| 4 | Dr. Parul Tyagi | Ph.D. | Asso. Professor | Member |
| 5 | Mr. Rajkumar Jain | M.Tech. | Asst. Professor | Member |
| 6 | Mr. Deepak Sankhala | M.Tech. | Asst. Professor | Member |

HOD ECE

CC: Principal Office, Registrar Office, Concerned faculty members and technicians



Department of Electronics & Communication Engineering

EXAMINATION NOTICE **JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE** Department of Electronics and Communication Engineering

06-10- 2021

From: HOD, ECE

TO: Faculty Members VII sem ECE

Ref: JECRC/ECE/Exam cell/2021-22/Odd/1

Online Examination

Circular

All the faculty members engaging the classes of 4th year (VII Sem) ECE department are hereby informed that online MTT-1 are Scheduled from **11th Oct 2021(Monday)** through Offline mode.

All the concerned faculty members are requested to submit question paper (soft copy) of their respective subjects before **07th Oct, 2021 (Thrusday)** at moderation.ece.jecrc@gmail.com.

Please Note:

The process of question paper formation is as follows

- 1) Question papers should be of good quality.
- 2) Bloom's Taxonomy level (3 to 6) should be followed.
- 3) Mapping of the question paper with CO will be done.
- 4) Define scheme of CO Wise evaluation for question papers.
- 5) Scrutinizing all the papers by the Moderation committee.
- 6) Question paper should be a subjective type.
- 7) At least two papers are up to mark for offline mode test, then the moderation committee selects the final question paper.
- 8) At least four papers are up to mark for online mode test, then the moderation committee selects the final question paper.
- 9) Moderated papers with solutions should reach IQAC latest by 9.10.21.

Please feel free to write in case you have any more queries.

Exam I/C

CC: Principal office, Registrar office, All HODs.

HOD, ECE



Department of Electronics & Communication Engineering

Sample MTT Paper 2021-22

| | |
|--|--|
|  JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE JECRC Campus, Shri Ram Ki Nangal, Via-Vatika, Jaipur |
|--|--|

MTT-I

Academic Year 2021-22 (IIIrd Semester)

| | | | | | |
|---------------------------|---|----------------------------|---------------|---|------------|
| Course | : | B.Tech. (ECE) | Date | : | |
| Semester/ Section | : | III rd B, C | Time Duration | : | 1:30 Hours |
| Subject & Subject Code | : | 3EC4-05: Signals & Systems | Max. Marks | : | 40 |

Course Outcomes

| | |
|-----|---|
| CO1 | Examine different types of signals and system properties |
| CO2 | Develop basic understanding of linear shift invariant systems |

| Q. No. | CO | Questions | Marks |
|--|----|---|-------|
| PART- A: Attempt All Questions (5x2 = 10Marks) | | | |
| 1. | 1 | Let $\delta(t)$ denote the delta function. Find value of the integral $\int_{-\infty}^{\infty} \delta(t) \cos\left(\frac{2t}{\pi}\right)$ | 2 |
| 2. | 2 | Determine the discrete-time convolution sum of the given sequences $x(n) = \{1, 2, 3, 4\}$ and $h(n) = \{1, 5, 1\}$. | 2 |
| 3. | 2 | A discrete-time signal $x[n] = \sin(\pi^2 n)$, n being an integer. Check whether the signal is periodic or not. | 2 |
| 4. | 1 | Differentiate between (a) deterministic signal and random signal (b) Energy and power signal | 2 |
| 5. | 1 | Determine whether the discrete signal $x[n] = u[n]$ is energy signal or power signal. | 2 |
| PART-B: Attempt Any Three Questions (3x5 = 15Marks) | | | |
| 1. | 1 | Determine whether the following systems are: i) Memoryless, ii) Stable iii) Causal iv) Linear and v) Time-invariant. (a) $y[n] = n x[n]$ (b) $y(t) = e^{x(t)}$ | 5 |
| 2. | 1 | Find the even and odd components of $x(t) = e^{jt}$. | 5 |
| 3. | 1 | Consider a discrete time system with input $x(t)$ and output $y(t)$ related by $y(t) = x(\sin(t))$. Test (a) whether the system is causal (b) whether the system is linear | 5 |
| 4. | 1 | Check whether the following signals are stable or unstable. Justify your answer | 5 |

Department of Electronics & Communication Engineering

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|--|--|
|  JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE JECRC Campus, Shri Ram Ki Nangal, Via- <u>Vatika</u> , Jaipur |
|--|--|

| | | | |
|--|---|--|-----|
| | | (a) $y[n] = \cos(x[n])$ (b) $y(t) = t x(t) + 4$ | |
| PART-C: Attempt Any Two Questions (2x7.5 = 15Marks) | | | |
| 1. | 2 | Consider a discrete time system whose input $x[n]$ and $y[n]$ are related by $y[n] = \left(\frac{1}{2}\right) y[n - 1] + x[n]$ Show that if this system satisfies the condition of initial rest (i.e. if $x[n] = 0$ for $n < n_0$, then $y[n] = 0$ for $n < n_0$), then it is linear and time invariant. | 7.5 |
| 2. | 2 | The following are the impulse responses of discrete time LTI systems. Determine whether each system is causal and /or stable. Justify your answers. (a) $h[n] = \left(\frac{1}{5}\right)^n u[n]$ (b) $h[n] = (0.8)^n u[n + 2]$ (c) $h[n] = \left(\frac{1}{2}\right)^n u[-n]$ (d) $h[n] = (5)^n u[3 - n]$ | 7.5 |
| 3. | 2 | Consider an input $x[n] = \alpha^n u[n]$, $0 < \alpha < 1$ for which the impulse response is $h[n] = u[n]$. Sketch the convoluted output of these two signals. | 7.5 |

Assignment and Class Test Methodology

- **To assess students' knowledge** of engineering practices, framework, and problem solving abilities various tests are taken
- **Class Tests** are taken after every unit completion
- **Assignment based on COs** is given to the students after completion of each unit for each subject
- **Assignments questions** are chosen from previous years university papers
- **Performance based Assignments** are provided to low scoring students (<60%) after MTT to improve the take the performance level to minimum required one

Evaluation

- **Answer Sheets are scrutinized** on random basis to ensure the quality of evaluation of internal semester examinations answer sheets, also to check whether there is any issue in the evaluation or not

- **Transparency in Evaluation** is ensured by making provision of showing answer sheets to students who if wish then can compare their answers with other students as well as with text books

Department of Electronics & Communication Engineering

Sample Result Analysis and Corrective Measures

| JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | | | | | | | | | | | | | |
|--|-------------|---------------------|--------------|---|--------|----------------------|--------------|-----------|--------|----------------------|---------|---------|----|
| EC DEPARTMENT | | | | | | | | | | | | | |
| MTT-1 Result Analysis (Section B) III sem | | | | | | | | | | | | | |
| NAME OF FACULTY: Dr. Girraj Sharma | | | | SUBJECT & CODE: Signal and System 3EC4-05 | | | | | | | | | |
| Roll No. | RTU Roll No | Name of Candidate | Obtained CO1 | Total CO1 | %age | Assignment-CO1 (Y/N) | Obtained CO2 | Total CO2 | %age | Assignment-CO2 (Y/N) | Obt. 40 | Tot. 40 | 15 |
| 1 | 20EJCEC061 | JAYANT ASAWA | 0 | 21 | 0.00% | Y | 0 | 19 | 0.00% | Y | 0 | 40 | 0 |
| 2 | 20EJCEC062 | JITU CHOUDHARY | 4 | 21 | 19.05% | Y | 8 | 19 | 42.11% | Y | 12 | 40 | 5 |
| 3 | 20EJCEC063 | JYOTI SONI | 16 | 21 | 76.19% | N | 17.5 | 19 | 92.11% | N | 33.5 | 40 | 13 |
| 4 | 20EJCEC064 | KALASH KSHETIJA | 15 | 21 | 71.43% | N | 17.5 | 19 | 92.11% | N | 32.5 | 40 | 13 |
| 5 | 20EJCEC065 | KANAD MISHRA | 3 | 21 | 14.29% | Y | 6 | 19 | 31.58% | Y | 9 | 40 | 4 |
| 6 | 20EJCEC066 | KANISHK VIJAYVARGIA | AB | 21 | | Y | AB | 19 | | Y | 0 | 40 | 0 |
| 7 | 20EJCEC067 | KESHAV THAKURIYA | 4 | 21 | 19.05% | Y | 6 | 19 | 31.58% | Y | 40 | 40 | 15 |
| 8 | 20EJCEC068 | KESHAV YADAV | 6 | 21 | 28.57% | Y | 10 | 19 | 52.63% | Y | 16 | 40 | 6 |
| 9 | 20EJCEC069 | KHUSHBOO | 10 | 21 | 47.62% | Y | 12 | 19 | 63.16% | N | 22 | 40 | 9 |
| 10 | 20EJCEC070 | KHUSHI BINDAL | 6 | 21 | 28.57% | Y | 3 | 19 | 15.79% | Y | 9 | 40 | 4 |
| 11 | 20EJCEC071 | KHUSHI JAIN | 17 | 21 | 80.95% | N | 16 | 19 | 84.21% | N | | 40 | 0 |
| 12 | 20EJCEC072 | KHUSHI KACHHARA | 8 | 21 | 38.10% | Y | 7 | 19 | 36.84% | Y | 15 | 40 | 6 |
| 13 | 20EJCEC073 | KHUSHI MAHESHWARI | 8 | 21 | 38.10% | Y | 9 | 19 | 47.37% | Y | 17 | 40 | 7 |
| 14 | 20EJCEC074 | KINSHUK PAREEK | 1 | 21 | 4.76% | Y | 3 | 19 | 15.79% | Y | 4 | 40 | 2 |
| 15 | 20EJCEC075 | KIRTIKA SHARMA | 0 | 21 | 0.00% | Y | 2 | 19 | 10.53% | Y | 2 | 40 | 1 |



Department of Electronics & Communication Engineering

| | | | | | | | | | | | | | |
|----|------------|---------------------------------|----|----|---------|---|------|----|---------|---|------|----|----|
| 16 | 20EJCEC076 | KISHAN GOPAL JETWAL | 13 | 21 | 61.90% | N | 11.5 | 19 | 60.53% | N | 24.5 | 40 | 10 |
| 17 | 20EJCEC077 | KOMAL GUPTA | 17 | 21 | 80.95% | N | 19 | 19 | 100.00% | N | 36 | 40 | 14 |
| 18 | 20EJCEC078 | KRISHNA JANGIR | 17 | 21 | 80.95% | N | 17 | 19 | 89.47% | N | 34 | 40 | 13 |
| 19 | 20EJCEC079 | KUSHAL PAREEK | 21 | 21 | 100.00% | N | 19 | 19 | 100.00% | N | 40 | 40 | 15 |
| 20 | 20EJCEC080 | LAKSHTA NANDWANA | 8 | 21 | 38.10% | Y | 7 | 19 | 36.84% | Y | 15 | 40 | 6 |
| 21 | 20EJCEC081 | LAKSHYA JAIN | 8 | 21 | 38.10% | Y | 10 | 19 | 52.63% | Y | 18 | 40 | 7 |
| 22 | 20EJCEC083 | LAXMI NARAYAN | 0 | 21 | 0.00% | Y | 4 | 19 | 21.05% | Y | 4 | 40 | 2 |
| 23 | 20EJCEC084 | LOVE DEV SINGH | 3 | 21 | 14.29% | Y | 4 | 19 | 21.05% | Y | 7 | 40 | 3 |
| 24 | 20EJCEC085 | MANAS AGARWAL | 13 | 21 | 61.90% | N | 11 | 19 | 57.89% | Y | 24 | 40 | 9 |
| 25 | 20EJCEC086 | MANENDRA SAINI | 8 | 21 | 38.10% | Y | 10 | 19 | 52.63% | Y | 18 | 40 | 7 |
| 26 | 20EJCEC087 | MANVENDRA SINGH SHEKHAWAT | 11 | 21 | 52.38% | Y | 12 | 19 | 63.16% | N | 23 | 40 | 9 |
| 27 | 20EJCEC088 | MIHIR NATANI | 10 | 21 | 47.62% | Y | 13 | 19 | 68.42% | N | 23 | 40 | 9 |
| 28 | 20EJCEC089 | MITALI VINOCHA | 15 | 21 | 71.43% | N | 16.5 | 19 | 86.84% | N | 31.5 | 40 | 12 |
| 29 | 20EJCEC090 | MOHAN LAL | 7 | 21 | 33.33% | Y | 9 | 19 | 47.37% | Y | 16 | 40 | 6 |
| 30 | 20EJCEC091 | MOHD ADNAN ZAIDI | 0 | 21 | 0.00% | Y | 3 | 19 | 15.79% | Y | 3 | 40 | 2 |
| 31 | 20EJCEC092 | MOHIT JAIN | DB | 21 | | Y | DB | 19 | | Y | 0 | 40 | 0 |
| 32 | 20EJCEC093 | MOHIT PARWANI | 16 | 21 | 76.19% | N | 17.5 | 19 | 92.11% | N | 33.5 | 40 | 13 |
| 33 | 20EJCEC094 | MOTI SINGH RAJPUROHIT | 4 | 21 | 19.05% | Y | 5 | 19 | 26.32% | Y | 9 | 40 | 4 |
| 34 | 20EJCEC095 | NAMAN DORIYA | 5 | 21 | 23.81% | Y | 7 | 19 | 36.84% | Y | 12 | 40 | 5 |
| 35 | 20EJCEC096 | NAVEEN GURJAR | 5 | 21 | 23.81% | Y | 4 | 19 | 21.05% | Y | 9 | 40 | 4 |
| 36 | 20EJCEC097 | NAYAN JAIN | 6 | 21 | 28.57% | Y | 6 | 19 | 31.58% | Y | 12 | 40 | 5 |
| 37 | 20EJCEC098 | NEERAJ BORANA | 21 | 21 | 100.00% | N | 19 | 19 | 100.00% | N | 40 | 40 | 15 |
| 38 | 20EJCEC099 | NIDHI MUNDRA | 12 | 21 | 57.14% | Y | 13 | 19 | 68.42% | N | 25 | 40 | 10 |
| 39 | 20EJCEC100 | NIDHI TIRTHANI | 1 | 21 | 4.76% | Y | 4 | 19 | 21.05% | Y | 5 | 40 | 2 |
| 40 | 20EJCEC101 | NIKHIL AGARWAL | 10 | 21 | 47.62% | Y | 9.5 | 19 | 50.00% | Y | 19.5 | 40 | 8 |
| 41 | 20EJCEC102 | NIKHIL BANSAL | 4 | 21 | 19.05% | Y | 0 | 19 | 0.00% | Y | 4 | 40 | 2 |



Department of Electronics & Communication Engineering

| | | | | | | | | | | | | | |
|----|------------|--------------------|----|----|--------|---|------|----|--------|---|------|----|----|
| 42 | 20EJCEC103 | NIKHIL NAGORI | 3 | 21 | 14.29% | Y | 0 | 19 | 0.00% | Y | 3 | 40 | 2 |
| 43 | 20EJCEC104 | NILANSHI JAIN | 15 | 21 | 71.43% | N | 16 | 19 | 84.21% | N | 31 | 40 | 12 |
| 44 | 20EJCEC105 | NIRMITI PORWAL | 5 | 21 | 23.81% | Y | 5 | 19 | 26.32% | Y | 10 | 40 | 4 |
| 45 | 20EJCEC106 | NIRVIGH NAMA | AB | 21 | | Y | AB | 19 | | Y | 0 | 40 | 0 |
| 46 | 20EJCEC107 | NITESH RAO | 13 | 21 | 61.90% | N | 10 | 19 | 52.63% | Y | 23 | 40 | 9 |
| 47 | 20EJCEC108 | NITIN MISHRA | 8 | 21 | 38.10% | Y | 2 | 19 | 10.53% | Y | 10 | 40 | 4 |
| 48 | 20EJCEC109 | NUPUR AGARWAL | 10 | 21 | 47.62% | Y | 5 | 19 | 26.32% | Y | 15 | 40 | 6 |
| 49 | 20EJCEC110 | PANKAJ KUMAR YADAV | 10 | 21 | 47.62% | Y | 12.5 | 19 | 65.79% | N | 22.5 | 40 | 9 |
| 50 | 20EJCEC111 | PARUL SHARMA | 4 | 21 | 19.05% | Y | 2 | 19 | 10.53% | Y | 6 | 40 | 3 |
| 51 | 20EJCEC112 | PAYAL SONI | 4 | 21 | 19.05% | Y | 5 | 19 | 26.32% | Y | 9 | 40 | 4 |
| 52 | 20EJCEC113 | MS POOJA CHOUDHARY | 11 | 21 | 52.38% | Y | 6 | 19 | 31.58% | Y | 17 | 40 | 7 |
| 53 | 20EJCEC114 | POORVI GUPTA | 6 | 21 | 28.57% | Y | 5 | 19 | 26.32% | Y | 11 | 40 | 5 |
| 54 | 20EJCEC115 | PRANIKA GOYAL | 3 | 21 | 14.29% | Y | 4 | 19 | 21.05% | Y | 7 | 40 | 3 |
| 55 | 20EJCEC116 | PRATHAM KAPOOR | DB | 21 | | Y | DB | 19 | | Y | 0 | 40 | 0 |
| 56 | 20EJCEC117 | PRAVEEN GOLIYA | 6 | 21 | 28.57% | Y | 7 | 19 | 36.84% | Y | 13 | 40 | 5 |
| 57 | 20EJCEC118 | PREETAM MALAKAR | 4 | 21 | 19.05% | Y | 4 | 19 | 21.05% | Y | 8 | 40 | 3 |
| 58 | 20EJCEC119 | PRIYANSHU | AB | 21 | | Y | AB | 19 | | Y | 0 | 40 | 0 |
| 59 | 20EJCEC120 | PRIYANSHU JAIN | AB | 21 | | Y | AB | 19 | | Y | 0 | 40 | 0 |
| 60 | 20EJCEC121 | PULAK GUPTA | 13 | 21 | 61.90% | N | 13.5 | 19 | 71.05% | N | 26.5 | 40 | 10 |

| | Total Achieved | Total Weak | Absentees | Total Students |
|-----|----------------|------------|-----------|----------------|
| CO1 | 14 | 40 | 6 | 60 |
| CO2 | 17 | 37 | 6 | 60 |

Table 2.2.2.a MTT Credit Scheme



List of Weak Students Based on CO-Performance in MTT1

List of Slow Learners for CO1 Based on MTT 1 Analysis

| | |
|------------|---------------------------|
| 20EJCEC061 | JAYANT ASAWA |
| 20EJCEC062 | JITU CHOUDHARY |
| 20EJCEC065 | KANAD MISHRA |
| 20EJCEC066 | KANISHK VIJAYVARGIA |
| 20EJCEC067 | KESHAV THAKURIYA |
| 20EJCEC068 | KESHAV YADAV |
| 20EJCEC069 | KHUSHBOO |
| 20EJCEC070 | KHUSHI BINDAL |
| 20EJCEC072 | KHUSHI KACHHARA |
| 20EJCEC073 | KHUSHI MAHESHWARI |
| 20EJCEC074 | KINSHUK PAREEK |
| 20EJCEC075 | KIRTIKA SHARMA |
| 20EJCEC080 | LAKSHTA NANDWANA |
| 20EJCEC081 | LAKSHYA JAIN |
| 20EJCEC083 | LAXMI NARAYAN |
| 20EJCEC084 | LOVE DEV SINGH |
| 20EJCEC086 | MANENDRA SAINI |
| 20EJCEC087 | MANVENDRA SINGH SHEKHAWAT |
| 20EJCEC088 | MIHIR NATANI |
| 20EJCEC090 | MOHAN LAL |
| 20EJCEC091 | MOHD ADNAN ZAIDI |
| 20EJCEC092 | MOHIT JAIN |
| 20EJCEC094 | MOTI SINGH RAJPUROHIT |
| 20EJCEC095 | NAMAN DORIYA |
| 20EJCEC096 | NAVEEN GURJAR |
| 20EJCEC097 | NAYAN JAIN |
| 20EJCEC099 | NIDHI MUNDRA |
| 20EJCEC100 | NIDHI TIRTHANI |
| 20EJCEC101 | NIKHIL AGARWAL |
| 20EJCEC102 | NIKHIL BANSAL |
| 20EJCEC103 | NIKHIL NAGORI |
| 20EJCEC105 | NIRMITI PORWAL |
| 20EJCEC106 | NIRVIGH NAMA |
| 20EJCEC108 | NITIN MISHRA |
| 20EJCEC109 | NUPUR AGARWAL |
| 20EJCEC110 | PANKAJ KUMAR YADAV |
| 20EJCEC111 | PARUL SHARMA |
| 20EJCEC112 | PAYAL SONI |
| 20EJCEC113 | MS POOJA CHOUDHARY |
| 20EJCEC114 | POORVI GUPTA |
| 20EJCEC115 | PRANIKA GOYAL |
| 20EJCEC116 | PRATHAM KAPOOR |
| 20EJCEC117 | PRAVEEN GOLIYA |
| 20EJCEC118 | PREETAM MALAKAR |
| 20EJCEC119 | PRIYANSHU |
| 20EJCEC120 | PRIYANSHU JAIN |

List of Slow Learners for CO2 Based on MTT 1 Analysis

| | |
|------------|-----------------------|
| 20EJCEC092 | MOHIT JAIN |
| 20EJCEC094 | MOTI SINGH RAJPUROHIT |
| 20EJCEC095 | NAMAN DORIYA |
| 20EJCEC096 | NAVEEN GURJAR |
| 20EJCEC097 | NAYAN JAIN |
| 20EJCEC100 | NIDHI TIRTHANI |
| 20EJCEC101 | NIKHIL AGARWAL |
| 20EJCEC102 | NIKHIL BANSAL |
| 20EJCEC103 | NIKHIL NAGORI |
| 20EJCEC105 | NIRMITI PORWAL |
| 20EJCEC106 | NIRVIGH NAMA |
| 20EJCEC107 | NITESH RAO |
| 20EJCEC108 | NITIN MISHRA |
| 20EJCEC109 | NUPUR AGARWAL |
| 20EJCEC111 | PARUL SHARMA |
| 20EJCEC112 | PAYAL SONI |
| 20EJCEC113 | MS POOJA CHOUDHARY |
| 20EJCEC114 | POORVI GUPTA |
| 20EJCEC115 | PRANIKA GOYAL |
| 20EJCEC116 | PRATHAM KAPOOR |
| 20EJCEC117 | PRAVEEN GOLIYA |
| 20EJCEC118 | PREETAM MALAKAR |
| 20EJCEC119 | PRIYANSHU |
| 20EJCEC120 | PRIYANSHU JAIN |

Corrective Measures to improve the Performance of Weak students

Mentors are appointed to boost-up the performance of weak students who:

- Provides regular counselling and moral support to them
- Encourage them towards study through peer tutoring
- Encourage them for regular attendance
- Guide them through remedial support to clear their backlogs (if any)
- Constantly monitor their performance in Internal Tests
- Arrange Extra classes for backlog subjects if needed

Assignment for Weak Students

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER, JAIPUR
B.TECH. – ELECTRONICS & COMMUNICATION
B.TECH. III SEM
SIGNAL AND SYSTEM
ASSIGNMENT 1

Max. Marks: - 20

Note: Attempt all questions.

Q.1 Explain the following properties of signals with example:

(a) Time shifting (b) Time reversal (c) Time scaling (d) Amplitude scaling

Q.2 Examine whether the following signals are periodic or not? If periodic determine the fundamental period.

(a) $\sin 12\pi t$ (b) $e^{j4\pi t}$ (c) $x(t) = \cos 2t + \sin \sqrt{3}t$ (d) $x(t) = \sin(10t+1) - 2\cos(5t-2)$

(e) $x(t) = \sin 10\pi t + \cos 20\pi t$

Q.3 Explain the following signals using mathematical expressions and graphical representations--

(a) Unit step (b) Unit impulse (c) Unit ramp (d) Signum (e) Sinc

Q.4 Check whether the following systems are causal or not-

(a) $y(t) = x^2(t) + x(t-4)$

(b) $y(t) = x(2-t) + x(t-4)$

(c) $y(t) = x(2n)$

(d) $y(t) = x\left(\frac{t}{2}\right)$

Q.5 Explain the following signals with example

(a) Deterministic and Random Signals

(b) Periodic and Non-Periodic Signals

(c) Causal and Non-Causal Signals

(d) Even and Odd Signals

Q.6 Check whether the following systems are linear or not-

(a) $\frac{d^2 y(t)}{dt^2} + 2ty(t) = t^2 x(t)$

(b) $\frac{dy(t)}{dt} + y(t) = x(t) \frac{dx(t)}{dt}$

(c) $y(t) = x(t^2)$

(d) $y(t) = 2x^2(t)$

Q.7 Explain the following systems with example-

(a) Static and Dynamic systems

(b) Linear and Non-linear systems

(c) Time variant and time invariant systems

(d) Causal and Non-Causal system

Q.8 (a) Discuss the following systems

(i) Continuous time LTI system

(ii) Discrete time LTI System

(b) Determine whether each of the following sequences is periodic or not. If periodic, determine the fundamental period-

(i) $x(n) = \sin\left(\frac{6\pi n}{7}\right)$

(ii) $x(n) = \sin\left(\frac{n}{8}\right)$

Q.9 (a) What do you mean by differential and difference equations? Explain with example.

(b) Prove that the system described by the differential equation $\frac{d^2 y(t)}{dt^2} + y(t) \frac{dy(t)}{dt} + y(t) = x(t)$ is a non-linear system.

Q.10 Check the following systems for linearity

(a) $y(t) = 5 \sin x(t)$

(b) $y(t) = x(\sin(t))$

(c) $y(n) = 2x(n) - 3$

(d) $y(t) = x^2(t)$

(e) $\frac{dy(t)}{dt} + 2y(t) = x^2(t)$

Q.11 Derive the expression for the trigonometric Fourier series coefficients.

Q.12 (a) Discuss the linearity and shifting property of CTFT with example.

(b) Find the CTFT of $S(t)\cos\omega_0 t$ by using frequency shifting property of CTFT.

Q.13 Using properties of Fourier transform, find the Fourier transform of the following-

(a) $e^{-at}u(t)$ (b) $t e^{-2t}u(t)$ (c) $e^{-3t}u(t-2)$ (d) $\delta(t+2) + \delta(t+1) + \delta(t-1) + \delta(t-2)$

(e) $\sin \omega_0 t u(t)$

Q.14 Explain the following properties of CTFT with example-

(a) Time scaling property

(b) Differentiation in time domain property

(c) Convolution property

(d) Multiplication property

Q.15 (a) Find the Fourier transform of the signal

$$x(t) = \begin{cases} 1-t^2 & 0 < t < 1 \\ 0 & \text{otherwise} \end{cases}$$

(b) Use the appropriate Fourier transform properties to find the Fourier transform of

$g(t) = te^{-|t|}$.

Department of Electronics & Communication Engineering

Assessment of Slow Learners After Assignment of MTT 1

CO1

| Roll no. | Name | Assignment submitted? | Marks (20) |
|------------|---------------------------|-----------------------|------------|
| 20EJCEC061 | JAYANT ASAWA | Y | 18 |
| 20EJCEC062 | JITU CHOUDHARY | Y | 17 |
| 20EJCEC065 | KANAD MISHRA | Y | 18 |
| 20EJCEC066 | KANISHK VIJAYVARGIA | Y | 17 |
| 20EJCEC067 | KESHAV THAKURIYA | Y | 15 |
| 20EJCEC068 | KESHAV YADAV | Y | 16 |
| 20EJCEC069 | KHUSHBOO | Y | 16 |
| 20EJCEC070 | KHUSHI BINDAL | Y | 16 |
| 20EJCEC072 | KHUSHI KACHHARA | Y | 15 |
| 20EJCEC073 | KHUSHI MAHESHWARI | Y | 15 |
| 20EJCEC074 | KINSHUK PAREEK | Y | 16 |
| 20EJCEC075 | KIRTIKA SHARMA | Y | 16 |
| 20EJCEC080 | LAKSHTA NANDWANA | Y | 16 |
| 20EJCEC081 | LAKSHYA JAIN | Y | 14 |
| 20EJCEC083 | LAXMI NARAYAN | Y | 17 |
| 20EJCEC084 | LOVE DEV SINGH | Y | 17 |
| 20EJCEC086 | MANENDRA SAINI | Y | 18 |
| 20EJCEC087 | MANVENDRA SINGH SHEKHAWAT | Y | 17 |
| 20EJCEC088 | MIHIR NATANI | Y | 18 |
| 20EJCEC090 | MOHAN LAL | Y | 17 |
| 20EJCEC091 | MOHD ADNAN ZAIDI | Y | 18 |
| 20EJCEC092 | MOHIT JAIN | Y | 15 |
| 20EJCEC094 | MOTI SINGH RAJPUROHIT | Y | 16 |
| 20EJCEC095 | NAMAN DORIYA | Y | 15 |
| 20EJCEC096 | NAVEEN GURJAR | Y | 14 |
| 20EJCEC097 | NAYAN JAIN | Y | 18 |
| 20EJCEC099 | NIDHI MUNDRA | Y | 15 |
| 20EJCEC100 | NIDHI TIRTHANI | Y | 16 |
| 20EJCEC101 | NIKHIL AGARWAL | Y | 16 |
| 20EJCEC102 | NIKHIL BANSAL | Y | 17 |
| 20EJCEC103 | NIKHIL NAGORI | Y | 18 |
| 20EJCEC105 | NIRMITI PORWAL | Y | 17 |
| 20EJCEC106 | NIRVIGH NAMA | Y | 17 |
| 20EJCEC108 | NITIN MISHRA | Y | 17 |
| 20EJCEC109 | NUPUR AGARWAL | Y | 18 |
| 20EJCEC110 | PANKAJ KUMAR YADAV | Y | 15 |
| 20EJCEC111 | PARUL SHARMA | Y | 14 |
| 20EJCEC112 | PAYAL SONI | Y | 15 |
| 20EJCEC113 | MS POOJA CHOUDHARY | Y | 16 |
| 20EJCEC114 | POORVI GUPTA | Y | 17 |
| 20EJCEC115 | PRANIKA GOYAL | Y | 18 |
| 20EJCEC116 | PRATHAM KAPOOR | Y | 17 |
| 20EJCEC117 | PRAVEEN GOLIYA | Y | 18 |
| 20EJCEC118 | PREETAM MALAKAR | Y | 16 |
| 20EJCEC119 | PRIYANSHU | Y | 14 |
| 20EJCEC120 | PRIYANSHU JAIN | Y | 15 |

Department of Electronics & Communication Engineering

CO2

| Roll no. | Name | Assignment submitted? | Marks (20) |
|------------|-----------------------|-----------------------|------------|
| 20EJCEC092 | MOHIT JAIN | Y | 16 |
| 20EJCEC094 | MOTI SINGH RAJPUROHIT | Y | 17 |
| 20EJCEC095 | NAMAN DORIYA | Y | 17 |
| 20EJCEC096 | NAVEEN GURJAR | Y | 18 |
| 20EJCEC097 | NAYAN JAIN | Y | 18 |
| 20EJCEC100 | NIDHI TIRTHANI | Y | 17 |
| 20EJCEC101 | NIKHIL AGARWAL | Y | 15 |
| 20EJCEC102 | NIKHIL BANSAL | Y | 16 |
| 20EJCEC103 | NIKHIL NAGORI | Y | 17 |
| 20EJCEC105 | NIRMITI PORWAL | Y | 18 |
| 20EJCEC106 | NIRVIGH NAMA | Y | 16 |
| 20EJCEC107 | NITESH RAO | Y | 15 |
| 20EJCEC108 | NITIN MISHRA | Y | 16 |
| 20EJCEC109 | NUPUR AGARWAL | Y | 17 |
| 20EJCEC111 | PARUL SHARMA | Y | 18 |
| 20EJCEC112 | PAYAL SONI | Y | 18 |
| 20EJCEC113 | MS POOJA CHOUDHARY | Y | 17 |
| 20EJCEC114 | POORVI GUPTA | Y | 16 |
| 20EJCEC115 | PRANIKA GOYAL | Y | 17 |
| 20EJCEC116 | PRATHAM KAPOOR | Y | 18 |
| 20EJCEC117 | PRAVEEN GOLIYA | Y | 17 |
| 20EJCEC118 | PREETAM MALAKAR | Y | 18 |
| 20EJCEC119 | PRIYANSHU | Y | 17 |
| 20EJCEC120 | PRIYANSHU JAIN | Y | 16 |

2.2.3 Quality of Student Projects (25)

(Quality of the project is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. Processes related to project identification, allotment, continuous monitoring, evaluation including demonstration of working prototypes and enhancing the relevance of projects. Mention Implementation details including details of POs and PSOs addressed through the projects with justification)

Initiatives

- The student's projects are selected in line with department Vision, Mission and Program outcomes.
- Students are provided with brief idea of various fields for selecting the project ideas.
- The list of previous year projects is displayed at notice board which ensures no repetition of project work and also encourages students to enhance the previous works.
- The faculties are encouraging the students to carry out in house projects. And support will be provided with all necessary software and hardware.
- Encouraged students to participate in project exhibitions/Expo. Conducted national level and International Level. The project exhibition was aimed to provide common platform to exhibit their innovations and their work towards excellence in latest technology.

Implementation

To ensure the quality of projects, department has IQAC which is responsible for planning, scheduling and execution of all the activities related to the student project work.

| Internal Quality Assessment Committee | | | | |
|---------------------------------------|-------------------|---------------|-----------------|----------|
| S. No. | FACULTY NAME | QUALIFICATION | DESIGNATION | ROLE |
| 1 | Dr. Sandeep Vyas | Ph. D | Professor & HOD | Convener |
| 2 | Dr. S. K. Singh | Ph. D. | Professor | Member |
| 3 | Dr. Girraj Sharma | Ph. D. | Asso. Professor | Member |
| 4 | Mr. Vikas Sharma | M. Tech. | Asst. Professor | Member |
| 5 | Dr. Vinita Mathur | Ph. D | Asso. Professor | Member |

Project COs

| | |
|------|--|
| CO-1 | Understand and review the available literature on the chosen problem |
| CO-2 | Apply the methodology to solve the identified problem |
| CO-3 | Analyze the principles and tools for the problem. |
| CO-4 | Create the technique to solve the problem. |
| CO-5 | Prepare and present project report |

Mapping of COs with POs for Major Project Stage-I (8EC7-50)

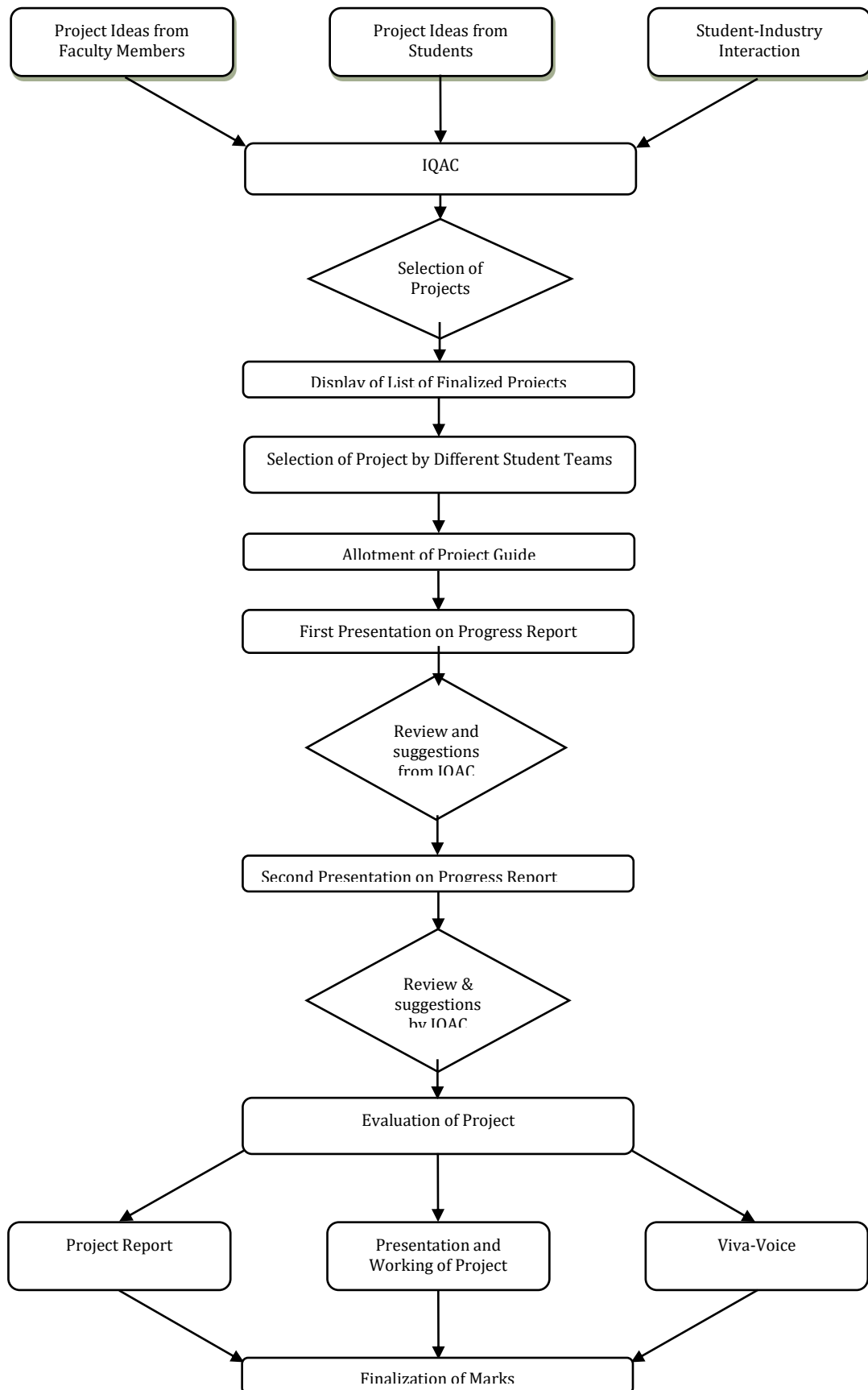
| | | | | | | | | | | | | | |
|---------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 8EC7-50 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 2 |

Project laboratory: *Facilities & Utilization*

- Two hardware (workshop lab, embedded system lab) and one computer lab (CP-12) are used for project work
- Technical support for the students is available throughout the day
- All the labs are open for the students to carry out research regarding their projects, throughout the day

Facilities created in ECE department for projects

| S. No. | Name of the Laboratory | Facilities available to conduct Project works and Research work | Usage of facilities |
|--------|------------------------|---|---|
| 1. | Workshop Lab | CRO, Function Generator, Drilling Machine, Etc. | Used for student project work & Faculty research work |
| 2. | Embedded System Lab | Different embedded system boards MSP 430, are available | Used for student project work & Faculty research work |
| 3. | Computer Lab (CP-12) | Internet with high speed is provided for students for the project research work | Used for student project work & Faculty research work |
| 4. | Signal Processing Lab | DSK starter kits | Used for student project work & Faculty research work |



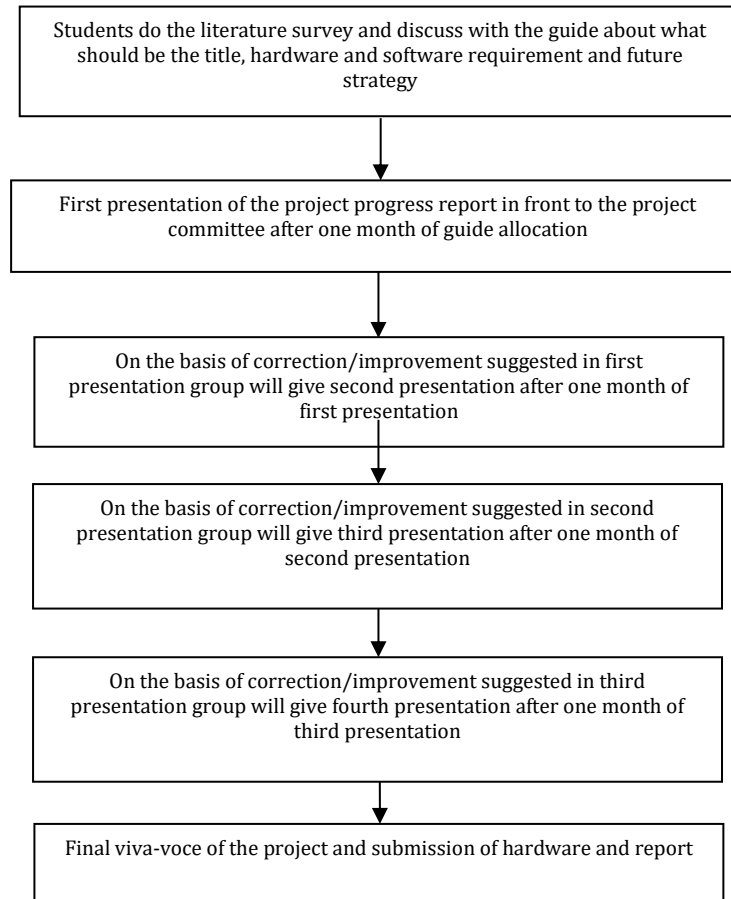


Figure 2.2.3.a Project Assessment Flow Chart

Sample Notice for Project Allotment 2021-22

Jaipur Engineering College & Research Centre, Jaipur
Department of Electronics & Communication Engineering
Notice

Sept, 15, 2021

Formation of the Groups and Project Guide Allotment

It is hereby informed to all the final year students of ECE, that they have to appear before the Project Committee of ECE for the guide allotment process on Sept 27, 2021 9:00 AM at Project Lab.

The allotment process is as follows:

Stage 1: Formation of Groups.

- Each class section is divided in to four batches according to the student's past performance.
- This batch wise list has been shared with you.
- A group of four students is to be formed by selecting one student form each batch.
- Students will mutually discuss with each other about common interests and form their groups.
- Note: Two students from same batch cannot be in the same group in any circumstance.
- For section A, groups are named as A1, A2.... For section B, groups are named as B1, B2...and
- so on.

Stage 2: Selection of Supervisor.

- After group formation, each group will choose a faculty supervisor.
- A list of faculty members with their field of expertise and major project interests has been shared with you.
- Each group will select 3 choices of supervisors from the list according to their field of expertise.
- The last date to lock the choices is 29 Sept. 2021.

The detailed project guidelines are attached.

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator

Dr. Sandeep Vyas
HoD-ECE



Department of Electronics & Communication Engineering

List of specialization of Faculty Member for Major Project of B. Tech. Session 2021-22 JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER, JAIPUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| S.No | Name of Faculty | Designation | Area of Expertise |
|------|-------------------------|---------------------|--|
| 1 | Dr. Sandeep Vyas | Professor | Nonlinear optics |
| 2 | Dr. Shruti Kalra | Professor | Optoelectronics and VHDL |
| 3 | Dr. S. K. Singh | Professor | Machine Learning and IoT |
| 4 | Dr. S. S Manakatala | Associate professor | 1. software programming in c/CPP/java 2.vlsi circuit design using VHDL, python programming |
| 5 | Dr. Parul Tyagi | Associate professor | Wireless Network |
| 6 | Ms. Ritu Vyas | Asst professor | 1.wireless communication 2.Optical fiber communication |
| 7 | Mr. Vikas Sharma | Asst professor | Optical Communication/Photonic Crystal |
| 8 | Mr. Ashish Kulshrestha | Asst professor | wireless communication |
| 9 | Mr. Raj Kumar Jain | Asst professor | power system |
| 10 | Mr. Mangi Lal | Asst professor | Digital Communication |
| 11 | Mr. Honey Agarwal | Asst professor | VHDL |
| 12 | Mr. Jitendra Sharma | Asst professor | wireless communication |
| 13 | Mr. Rakesh Kardam | Asst professor | digital communication |
| 14 | Mr. Devendra Sharma | Asst professor | POWER SYSTEM |
| 15 | Mr. Naresh Kumar | Asst professor | wireless and computer networks & Cyber security |
| 16 | Mr. Ankur Gangwar | Asst professor | Communication systems and networks |
| 17 | Mr. Lokesh Kumar Sharma | Asst professor | microcontroller |
| 18 | Mr. Bhoopesh Kumawat | Asst professor | Microcontrollers, Embedded Systems |
| 19 | Mr. Ashish Sharma | Asst professor | Signal Processing. AI, Neural Networks and Machine learning, Deep Learning |
| 20 | Mr. Deepak Shankla | Asst professor | VHDL and MATLAB |
| 21 | Ms. Yazusha Sharma | Asst professor | optical communication/pcf sensor/photonic crystal fiber |
| 22 | Ms. Ritambhara | Asst professor | VLSI Design,Signal processing, Microelectronics, AI based IC, Blockchain, IOT, CNTFETs, IOT. |
| 23 | Deepmala kulshresta | Asst professor | Digital Communication (OFDM) |
| 24 | Dr. Jaiverdhan | Associate professor | RF and Microwave Antennas, Microwave Absorber, Digital Image processing |
| 25 | Ms. Nishi Atray | Asst professor | |
| 26 | Ms.Mamta Rani | Asst professor | Digital communication |
| 27 | Jai Prakash Mishra | Asst professor | Embedded System & Microcontroller |
| 28 | Dr. Ashish Kumar | Asst professor | VLSI design, Sensor and actuators |
| 29 | Dr. Girraj sharma | Associate professor | Wireless communication, Micorwave, Antenna design, Embedded, Machine Learning, Artificial Intelligence |
| 30 | Dr. Vinita Mathur | Associate professor | Antenna and RF |
| 31 | Dr. Ajay Yadav | Associate professor | Antenna design, RF microwave, Filter |
| 32 | Mr. Sudarshan Jain | Asst professor | Optics, Antenna design |
| 33 | Ms. Sameeksha Choudhary | Asst professor | Digital Communication, wireless sensor network |
| 34 | Ms. Bhavna Kalra | Asst professor | Antenna, Optical, Embedded |

Department of Electronics & Communication Engineering

Sample List of Guide Allotment 2021-22

Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
VII semester Major Project Allocation 2021-2022

| Section A | | | |
|-------------------|----------------------|------------|------------------------|
| Project Group No. | Student Name | RTU R. No. | Supervisor |
| A1 | Chirag Mahajan | 18EJCEC044 | Mr. Vikas Sharma |
| | Aryan Jain | 18EJCEC024 | |
| | Charul Bhati | 18EJCEC042 | |
| | Akshat Todi | 18EJCEC011 | |
| A2 | Abhishek Jain | 18EJCEC006 | Dr. Jaiverdhan |
| | Aman Jain | 18EJCEC014 | |
| | Abhishek Dave | 18EJCEC005 | |
| | Akshat Sharma | 18EJCEC010 | |
| A3 | Ashish Jain | 18EJCEC025 | Dr. S K Singh |
| | Arushi Jain | 18EJCEC023 | |
| | Dipanshu Tomer | 18EJCEC051 | |
| | Akshay Kumar Beniwal | 18EJCEC012 | |
| A4 | Anchal Madnani | 18EJCEC017 | Mr. Bhoopesh Kumawat |
| | Bhumi Gajjar | 18EJCEC040 | |
| | Ayush Sharma | 18EJCEC038 | |
| | Ashish Jangid | 18EJCEC026 | |
| A5 | Amit Kumar | 18EJCEC016 | Mr. Ankur Gangwar |
| | Ashish Raj | 18EJCEC028 | |
| | Atul Kumar | 18EJCEC036 | |
| | Ajay Kumar Meena | 18EJCEC008 | |
| A6 | Garima Goyal | 18EJCEC055 | Dr. Sandeep Vyas |
| | Gaurang Singhal | 18EJCEC056 | |
| | Arjita Mathur | 18EJCEC020 | |
| | | | |
| A7 | Devhuti Joshi | 18EJCEC048 | Dr. Sandeep Vyas |
| | Ashish Mangal | 18EJCEC027 | |
| | Asmit Kumar Parida | 18EJCEC034 | |
| | Aditya Yadav | 18EJCEC007 | |
| A8 | Ashok Singh Gurjar | 18EJCEC030 | Mr. Ashish Kulshrestha |
| | Aman Kumar Jangir | 18EJCEC015 | |
| | Ankit Kumar Sharma | 18EJCEC019 | |
| | Fardeen Hussain | 18EJCEC053 | |
| A9 | Astha goyal | 18EJCEC035 | Dr. Girraj sharma |



SAMPLE OF FRONT PAGE OF PROJECT REPORT 2021-22

**A
PROJECT REPORT
ON**

PROJECT TOPIC

**Submitted in Partial Fulfillment for the Award of Bachelor of Technology
Degree of Rajasthan Technical University, Kota**



**JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE**

2021-2022

Guided by:

Submitted by:

GUIDE NAME

**(Prof./Associate Prof./Assistant Prof.)
Department of ECE**

STUDENT NAMES (Roll No)

B. Tech. VIII SEM, ECE

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER,
SHRI RAM KI NANGAL, VIA SITAPURA RIICO JAIPUR- 302022
May 2022**

Sample marks distribution of Major project of 2021-22

| Student Name | RTU R. No. | Supervisor/ Project Guide | Project title | MID Assesement 1 | | | | | MID Assesement 2 | | | | | Total (210) | Signature |
|-------------------------|------------|------------------------------|--|------------------------------|--|----------------------------|--|---|---------------------|-------------------------|-------------------|---------------------------------|---|-------------|-----------|
| | | | | Project selection marks (10) | Synopsis submission /presentation marks (20) | Innovation/novel idea (10) | Survey and information collection (10) | Mid sem I evaluation marks (viva, quiz etc.) (50) | Project report (10) | Presentation marks (20) | Project demo (20) | ovrall role in the project (10) | Mid sem II evaluation marks(viva, quiz etc.) (50) | | |
| Chaitanya Goyal | 17EJCEC055 | Mr. Vikas Sharma | Electric Vehicle Charge Supply Equipment | 9 | 18 | 10 | 9 | 47 | 9 | 20 | 20 | 10 | 47 | 199 | |
| Bharat Modi | 17EJCEC053 | | | 7 | 17 | 9 | 7 | 46 | 9 | 17 | 16 | 7 | 45 | 180 | |
| Aditya Joshi | 17EJCEC015 | | | 7 | 17 | 9 | 7 | 47 | 8 | 17 | 16 | 7 | 47 | 182 | |
| Ayushi Rawat | 17EJCEC050 | | | 7 | 18 | 8 | 8 | 48 | 9 | 18 | 17 | 8 | 46 | 187 | |
| Ayushi Bansal | 17EJCEC049 | Dr. Shruti Kalra | Colour Vision And Speech Based Mouse Controller | 9 | 19 | 9 | 9 | 49 | 9 | 19 | 19 | 9 | 49 | 200 | |
| Arshpreet Singh Dhingra | 17EJCEC036 | | | 10 | 19 | 10 | 9 | 49 | 10 | 19 | 20 | 9 | 49 | 204 | |
| Achintya Siddha | 17EJCEC010 | | | 9 | 19 | 9 | 9 | 49 | 9 | 19 | 19 | 9 | 49 | 200 | |
| Aayush Khandelwal | 17EJCEC003 | | | 7 | 17 | 8 | 8 | 47 | 8 | 18 | 18 | 8 | 47 | 186 | |
| Akshat Pareek | 17EJCEC017 | Dr. Jaiverdhan | Bluetooth App Based Home Automation | 9 | 19 | 9 | 9 | 48 | 9 | 18 | 18 | 10 | 48 | 197 | |
| Aryaman Singh | 17EJCEC039 | | | 10 | 18 | 9 | 9 | 47 | 9 | 17 | 17 | 9 | 45 | 190 | |
| Bhaira Ram Puniya | 17EJCEC052 | | | 8 | 18 | 9 | 9 | 45 | 9 | 17 | 17 | 8 | 44 | 184 | |
| Aarush Saini | 17EJCEC001 | | | 9 | 17 | 8 | 9 | 45 | 9 | 17 | 16 | 8 | 42 | 180 | |
| Chesta Porwal | 17EJCEC059 | Dr. Parul Tyagi | Travel Request System | 9 | 18 | 10 | 10 | 48 | 8 | 19 | 18 | 10 | 50 | 200 | |
| Aaryan Tiwari | 17EJCEC002 | | | 9 | 18 | 10 | 10 | 47 | 8 | 19 | 18 | 10 | 50 | 199 | |
| Aman Pandya | 17EJCEC023 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Aayush Saini | 17EJCEC004 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Astha Choudhary | 17EJCEC043 | Dr. Sandeep Vyas | Smart Alcohol Detection And Accident Indication System | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Baibhav Ranjan | 17EJCEC051 | | | 9 | 18 | 10 | 10 | 48 | 8 | 19 | 18 | 10 | 50 | 200 | |
| Akshat Sharma | 17EJCEC018 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Chetan Sharma | 17EJCEC061 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Anand Raj Jain | 17EJCEC024 | Dr. Jaiverdhan | Face Recognition | 8 | 16 | 8 | 7 | 42 | 8 | 16 | 18 | 8 | 43 | 174 | |
| Anshul Bhandari | 17EJCEC029 | | | 9 | 17 | 8 | 9 | 45 | 9 | 17 | 18 | 8 | 45 | 185 | |
| Arjun Sharma | 17EJCEC034 | | | 8 | 16 | 8 | 9 | 43 | 8 | 17 | 18 | 7 | 45 | 179 | |
| Anup Kumar Jha | 17EJCEC031 | | | 9 | 16 | 8 | 8 | 44 | 6 | 13 | 15 | 8 | 44 | 171 | |

Department of Electronics & Communication Engineering

Major Project Title and Area of key Technology Session 2021-22

| Jaipur Engineering College & Research Center, Jaipur | | | | |
|---|--|-------------------------------|--------------------------------------|---|
| Department of Electronics & Communication Engineering | | | | |
| VII semester Major Project 2021-22 | | | | |
| Project Group number | Project Title | Project Guide/Supervisor Name | Category of your project is | Key technology of your project (e.g. machine learning, IOT, Antenna, Embedded etc.) |
| A1 | Smart Lab Automation using IOT and Android Application | Mr Vikas Sharma Sir | Combination of Hardware and Software | IOT Embedded C Android Development |
| A2 | Smart Stick Using Arduino Uno: Aiding the Visually Impaired | Dr. Jaivardhan Sir | Combination of Hardware and Software | Arduino Uno and various other sensors like ultrasonic, moisture sensor etc. |
| A3 | Automated remote sensing and managing agricultural parameters using machine learning | S.K Singh Sir | Combination of Hardware and Software | Machine Learning IOT |
| A4 | Energy Efficient Advance Driver Assistance System | Mr. Bhoopesh Kumawat | Combination of Hardware and Software | Embedded System |
| A5 | Ultrasonic Based Sonar System | MR. ANKUR GANGWAR | Combination of Hardware and Software | Arduino Uno and Ultrasonic Sensor |
| A6 | Solar Power Monitoring and Controlling to achieve Maximum Power Efficiency using IOT | Dr. Sandeep Vyas | Combination of Hardware and Software | IOT and Embedded |
| A7 | Solar powered floor cleaning robot | Dr. Sandeep vyas | Combination of Hardware and Software | Embedded, Iot |
| A8 | An IoT Based Plant Health Monitoring System Implementing Image Processing | Mr. Ashish Kulshrestha | Combination of Hardware and Software | Image processing, IoT and Embedded |
| A9 | Healthcare Monitoring System | Dr. Girraj Sharma | Combination of Hardware and Software | IOT, Embedded |



2.2.4 Initiatives related to Industry Interaction (15)

(Give details of the industry involvement in the program such as industry-attached laboratories, partial delivery of appropriate courses by industry experts etc. Mention the initiatives, implementation details and impact analysis)

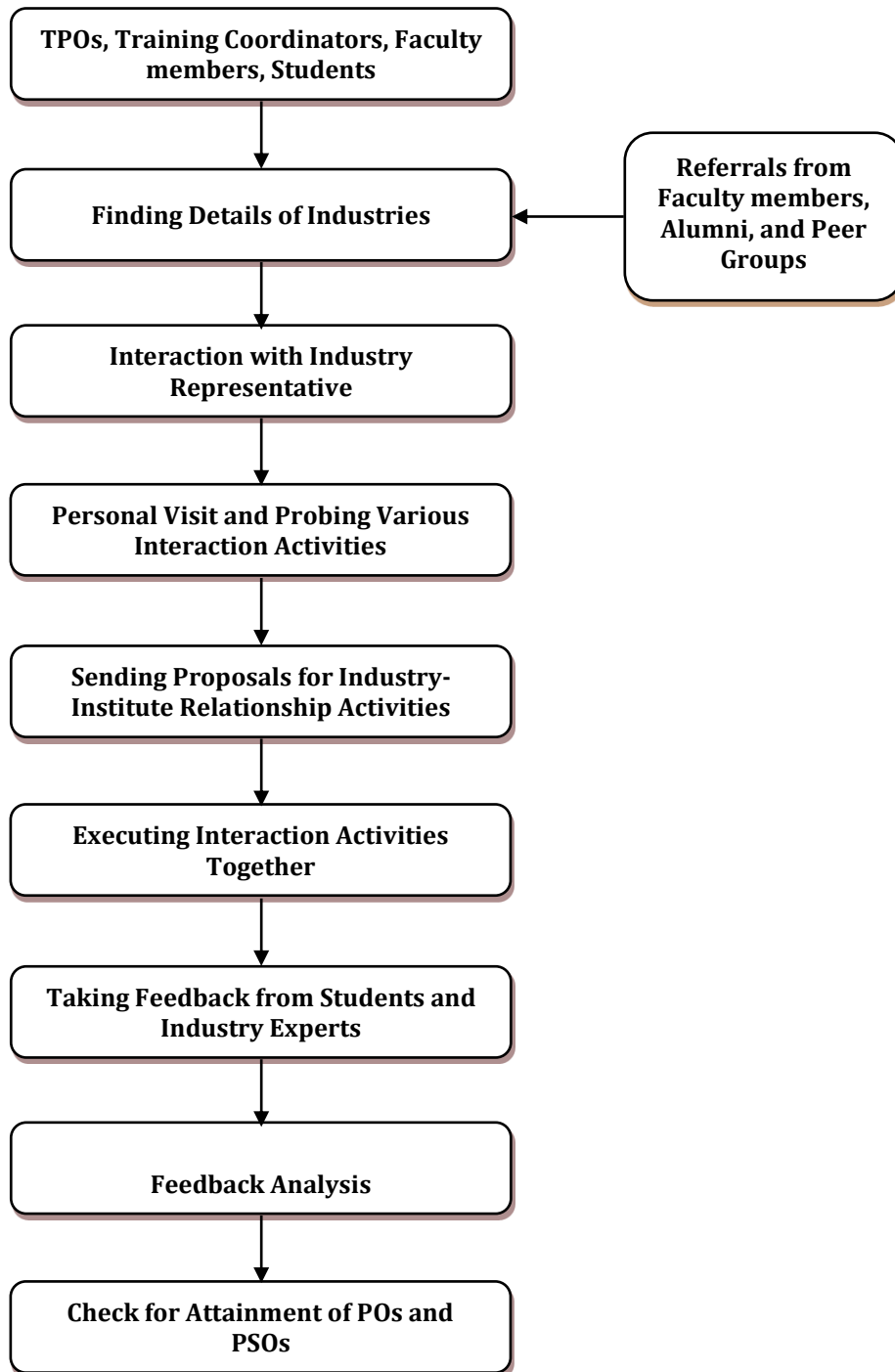


Figure 2.2.4.a Industry Interaction Flow-chart for PO Attainment

To ensure course objectives apart from traditional teaching techniques, some industry oriented following exercises are also utilized by the department:

- Industry trainings and visits

Department of Electronics & Communication Engineering

- Industry Expert lectures
- Value added programs and seminars organized and participated by students

| List of Courses/Expert talks by Industry Personnel | | | | | |
|---|---------------------------------|-----------------|--|----------------------|-------------------------------|
| S. No. | Course/ Topic Name | Industry | Resource Person with Designation | % of Students | Relevance to POs, PSOs |
| 1 | Internet of Things and Big Data | TCS | Mr. Rajit Sikka | 90% | PO1, PO5 |
| 2 | Project Making | EFY Tech Center | Mr Sandeep Prakash & Mr. Raghav Raj Bansal | 90% | PO1, PO2, PO3, PO5 |

| Gap Fulfillment through Industrial Involvement | | | | | | |
|---|---|--|------------------------|---|----------------------|-------------------------------|
| S. No. | Gap | Action Taken | Date-Month Year | Resource Person with Designation | % of Students | Relevance to POs, PSOs |
| 1 | Aptitude, Reasoning, Quantitative Analysis Skills for Placement | FACE Classes | Aug 20-Sept 05, 2021 | Experts from FACE | 90% | PO1, PO12 |
| 2 | Project Development Skills | Embedded Workshops | 05-06, October 2021 | - | 75% | PO3, PO5, PO9, PO11 |
| 3 | Research Aptitude | Conference RACON 2022 | 7-8 June 2022 | Research Scholars | 80% | PO4, PO5, PO9, PO10 |
| 4 | Coding Skills | One Day Workshop on "Learn to code, Design the future" | 03-Mar-22 | - | 32% | PO1, PO3, PO5 |

Table 2.2.4.a Gap Fulfillment through Industry-Interaction for PO Attainment

2.2.5 Initiatives related to Industry Internship/ Summer Training (15)

(Mention the initiatives, implementation details and impact analysis)

The student has to execute a project work preferably at industry/R&D institution. The industrial training is assessed by external and internal examiners through presentation and viva- voce.

Summer Internships Process Flow

- **Issuance of internship letter** to every student
- **Acknowledgement by Company** will be given through a letter of summer training to college(department)
- **Tracking of Company Profile** is done by department after Approval by company and if found satisfactory, then only the students are allowed to pursue their training from that company
- **Issue of Approval Letter** to the student for summer training
- **Internship** starts after VI semester exams are over
- **Issue of Certificate/Evaluation Letter** by the company for successful completion to trainee student
- **Collection of Training Certificate's Photocopy** is done by the department
- **Feedback from Company representative** is collected through mail
- **Thanks Letter to company and invite to conduct placement drive**
- **Presentation in next semester** is scheduled for the students by the department along with Report Submission
- **Final evaluation** is done after power point presentation and training report submission

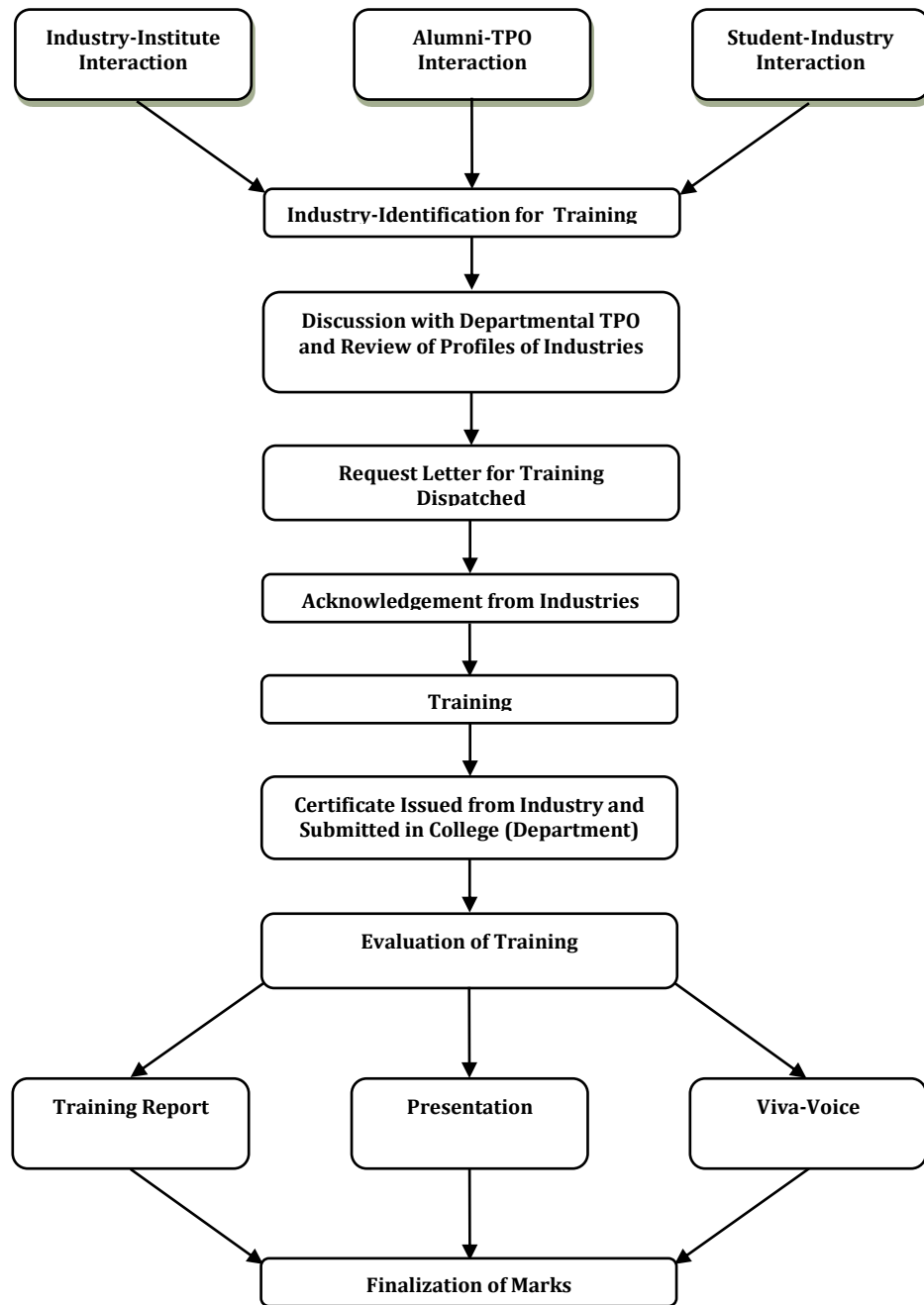


Figure 2.2.5.a Process of Evaluation of Training/Internship

Department of Electronics & Communication Engineering

Jajpur Engineering College and Research Centre

Student Internship Program
(Practical Form)

| | | | |
|--|--|---------------------------------------|------------------------------|
| Student Name and Signature | Pratik Siroga | | |
| Internship Institute/ Site Name | Technical Pvt Ltd | | |
| Internship Institute/ Site Address | 222 Mukandana nagar, opp. Pooja Tower, Gopalpur, M.S., Jajpur | | |
| Company Internship Supervisor | Mr. Subhashish Singh | | |
| Internship Start and End Date | From: 16 May 2018 | to: 30 June 2018 | |
| Number of Hours at Internship | Monday: 7:30 am - 12:30 pm | Tuesday to Friday: 7:30 am - 12:30 pm | Saturday: 7:30 am - 12:30 pm |
| What were the days in the week he learned? | 7 days | | |
| Interns duties: What were his specific duties and responsibilities during the internship? | He basically works on embedded systems & devices. He was a good learner of programming. | | |
| Learning: What did he learn during the internship (include both specific skills, technical and organizational concepts)? | He worked on embedded devices like, sensors, DACs, ADCs, Keil, Proteus and developed no. of projects. | | |
| Career Implications: Will the internship offer opportunities help interns in his future education or employment? | Yes, Technical provides opportunities to all students!! | | |
| Supervisor Rating: How effective was the student during his training? | <input type="checkbox"/> Poor <input type="checkbox"/> Average <input type="checkbox"/> Good <input checked="" type="checkbox"/> Excellent | | |

I hereby declare that above contents are complete and true to best of my knowledge.

Date: 16/05/2018 Signature: _____
(Signature)
Name of Supervisor

Department of Electronics and Communication Engineering

Outcome Forms

RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LIMITED
(Government of Rajasthan Undertaking)
Corporate Identity Number (CIN) - 24000010000020000
Regd. Office & H.Q.: Vidya Bhawan, Jangpoh, Jodhpur Nagar, Jaipur-302001
OFFICE OF THE SUPERINTENDING ENGINEER (TRAINING)
KOTA SUPER THERMAL POWER STATION
E-mail id: training@rjnvl.com
No. RVJUN/KSTPSE (TRAINING)/ D. 543 Date: 05-05-2018

Training & Placement Officer,
Jajpur Engineering College And Research Centre,
Jajpur (Ra.)

Sub: Practical training to Engineering Students at KSTPS Training Centre, Kota, during summer vacation.

Dear Sir,

Your request for imparting Practical training to the following students of your college institution has been accepted. You are therefore advised to convey to the concerned students for joining their training programme on scheduled date and time as mentioned against their names:-

| S. No. | Name of student (Mr/Ms) | Branch | Year | Period |
|--------|-------------------------|--------|----------|----------------------|
| B1301 | Dimple Agasthi | EAC | 3rd Year | 26.05.18 to 26.07.18 |
| B1302 | Pratik Bhandari | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1303 | Ching Sompru | ECE | 3rd year | 26.05.18 to 26.07.18 |
| B1304 | Ayush Agasthi | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1305 | Bhanu Prakash Gupta | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1306 | Chandni Prakash Fulekar | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1307 | Deepak Mishra | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1308 | Nishi Chandel | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1309 | Gurpreet Kaur | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1310 | Bhanu Khandwale | ME | 3rd year | 26.05.18 to 26.07.18 |
| B1311 | Pratik Joshi | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1312 | Saurabh Sharma | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1313 | Ayush Kumar Jain | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1314 | Pragati Bhat | EAC | 3rd Year | 26.05.18 to 26.07.18 |
| B1315 | Kuldeep Jain | EE | 3rd Year | 26.05.18 to 26.07.18 |
| B1316 | Harsh Pratap Singh Chau | EE | 3rd Year | 26.05.18 to 26.07.18 |
| B1317 | Ashu Mishra | ECE | 3rd year | 26.05.18 to 26.07.18 |
| B1318 | Ayush Gupta | ECE | 3rd year | 26.05.18 to 26.07.18 |
| B1319 | Shubham Singhal | ECE | 3rd year | 26.05.18 to 26.07.18 |
| B1320 | Vishu Jain | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1321 | Arjun Garg | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1322 | Rishi Meher | EE | 3rd year | 26.05.18 to 26.07.18 |
| B1323 | Chitrakshi Chandra | EE | 3rd year | 26.05.18 to 26.07.18 |

The training programme will commence at KSTPS from 26.05.18 to 26.07.18 (10:00AM to 5:00PM). The candidates will report for training to the Executive Engineer (Training), Shed No.8, KSTPS, RVJUN, Kota, alongwith two Nos. latest passport size photographs. The students will keep their college identity card with them during the period of training and abide by the rules of KSTPS & CSF Unit of Power. KSTPS will not be responsible for any mishap, if occurred during the period of training.

Y.S.B.C.
(B.K. Jha)
Executive Engineer (Training)
KSTPS, RVJUN, KOTA.

Letter of summer Internship



Department of Electronics & Communication Engineering

Sample Training Data with Domains (for session 2021-22)

| S. No. | Name | RTU Roll Number | Name of the Organization | Training Domain / Technology | Duration |
|---------------|-----------------|------------------------|-----------------------------------|-------------------------------------|-----------------|
| 1 | Abhinav Dadhich | 18EJCEC003 | Matrix Computers | Python with Data Science | 60 Days |
| 2 | Abhishek Dave | 18EJCEC005 | Udemy | Python | 37 days |
| 3 | Abhishek Jain | 18EJCEC006 | Coursera (Stanford University) | Machine Learning | 45 Days |
| 4 | Akash Arora | 18EJCEC009 | Code Planet Technologies Pvt. Ltd | Python | 54 days |
| 5 | Akshat Todi | 18EJCEC011 | coursera | Machine learning | 60 Days |
| 6 | Aman Jain | 18EJCEC014 | Udemy | Python And Sql | 45 days |

Table 2.2.5.a Sample of Summer Training taken by Students

| | | |
|--------------------|---|------------|
| CRITERION 3 | Course Outcomes and Program Outcomes | 120 |
|--------------------|---|------------|

3. COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

(Program Outcomes as mentioned in Annexure I and Program Specific Outcomes as defined by the Program)

PROGRAM OUTCOMES:

- PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and Electronics & Communication Engineering specialization to the solution of complex Electronics & Communication Engineering problems.
- PO2. Problem analysis:** Identify, formulate, research literature, and analyze complex Electronics & Communication Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3. Design/development of solutions:** Design solutions for complex Electronics & Communication Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of Electronics & Communication Engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern electronic engineering and IT tools including prediction and modeling to complex Electronics & Communication Engineering activities with an understanding of the limitations.
- PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Electronics & Communication Engineering practice.
- PO7. Environment and sustainability:** Understand the impact of the professional Electronics & Communication Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Electronics & Communication Engineering practice.
- PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10. Communication:** Communicate effectively on complex Electronics & Communication Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11. Project management and finance:** Demonstrate knowledge and understanding of the Electronics & Communication Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Department of Electronics & Communication Engineering

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of Electronics & Communication Engineering changes.

(Program Outcomes as mentioned in Annexure I and Program Specific Outcomes as defined by the Program)

| | |
|------|--|
| PSO1 | Ability to develop knowledge for robotics and its application. |
| PSO2 | Ability to apply the concept of IoT for challenges of real- world. |

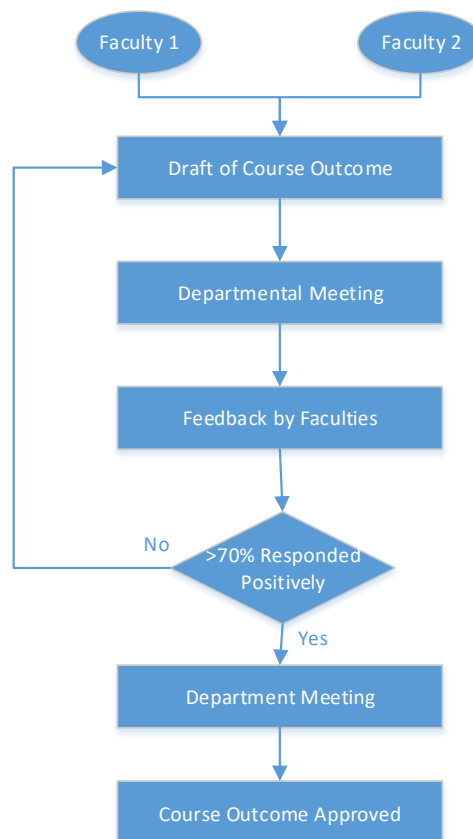


Figure 3.1 Process of making course outcomes

3.1.1 Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and make available as evidence, if asked) (05)

1. The instructor is expected to go through the preface of the reference book and the text book that describes the authors' point of view of the outcome of the text material as prescribed.
2. As the course outcome need not vary from instructor to instructor thus a presentation and discussion of the course outcomes is necessary among the faculty members of the

Department of Electronics & Communication Engineering

department before finalization of the course outcomes and the mapping of the same with the Program outcomes.

Course Outcomes: Session 2021-22

Subject: Electronics Devices

Code: 3EC4-07

| | |
|------|---|
| CO-1 | Understanding the semiconductor physics of the intrinsic and N materials. |
| CO-2 | Understanding the characteristics of current flow in a BJT and MOSFET. |
| CO-3 | Understand and utilize the mathematical models of semiconductor junction and MOS transistors for circuits and system. |
| CO-4 | Analyze the characteristics of different electronic devices such as amplifier, LEDs, solar cells etc. |
| CO-5 | Theoretical as well as experimental understanding of Integrated circuit fabrication. |

Subject: Analog Circuit

Code: 4EC4-04

| | |
|------|---|
| CO-1 | Understand the characteristics of diodes and transistors |
| CO-2 | Design and analyze various rectifier and amplifier circuits |
| CO-3 | Design sinusoidal and non-sinusoidal oscillators |
| CO-4 | Understand the functioning of OP-AMP and design OP-AMP based circuits |
| CO-5 | Understanding the designing of ADCs and DACs |

Subject: Digital Signal Processing

Code: 5EC4-04

| | |
|------|---|
| CO-1 | Represent signals mathematically in continuous and discrete time and frequency domain |
| CO-2 | Get the response of an LSI system to different signals |
| CO-3 | Design of different types of digital filters for various applications |
| CO-4 | Estimation of spectral parameters |
| CO-5 | Application of Digital Signal Processing |

Subject: Computer Network

Code: 6EC4-02

| | |
|------|---|
| CO-1 | Understand and describe the Queuing Theory. |
| CO-2 | Describe the layered protocol model, analyses and evaluate a number of data link, network, and transport layer protocols. |
| CO-3 | Analyses and evaluate various computer network protocols from standards documents and other primary materials found through research. |
| CO-4 | Design networks and services for homes, data centres, IoT/IoE, LANs and WANs. |

Subject: CMOS Design

Code: 7EC5-13

| | |
|------|---|
| CO-1 | Understanding various model, non-ideal, switching and inverter characteristics of MOS |
|------|---|



Department of Electronics & Communication Engineering

| | |
|------|---|
| CO-2 | Understand and analyze delay, design rule and circuit layout of CMOS |
| CO-3 | Analyze various parameter(power dissipation, Transistor sizing , gate delay) of combinational CMOS logic family |
| CO-4 | Analyze and Evaluate dynamic CMOS circuits. |
| CO-5 | Design Custom/ASIC design using FPGA kit through VHDL code. |

Subject: Digital Image and Video Processing

Code: 8EC5-12

| | |
|------|--|
| CO-1 | Explain different type of image transformation and operation. |
| CO-2 | Apply different spatial and frequency domain techniques for enhancement and restoration. |
| CO-3 | Illustrate different compression and segmentation techniques. |
| CO-4 | Explain different video processing and compression techniques. |

3.1.2. CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned; one per semester from 3rd to 8th semester) (05)

Note : Enter correlation level s1, 2 or 3 as defined below : 1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put 1

| Subject code and subject | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------------------------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 3EC4-07 Electronics Devices | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | 2 | 3 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 2 | 2 |
| 4EC4-04 Analog Circuit | CO-1 | 3 | 2 | 3 | 3 | 2 | - | - | - | 1 | 1 | 2 | 3 |
| | CO-2 | 3 | 2 | 3 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 5EC4-04 Digital Signal Processing | CO-1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 1 | - | - | - | 1 | 1 | 2 | 2 |



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|--|------|---|---|---|---|---|---|---|---|---|---|---|---|
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | - | 1 | 1 | 2 | 1 | 3 |
| 6EC4-02 Computer Network | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | 1 | 1 | - | 3 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 2 | 2 |
| | CO-3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 1 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 2 | 2 |
| 7EC5-13 CMOS Design | CO-1 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| 8EC5-12 Digital Image and Video Processing | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | - | 1 | - | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |

CO- PSO Mapping

| Subject code and subject | CO's | Program Specific Outcomes (PSO's) | |
|--------------------------------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 3EC4-07 Electronics Devices | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 4EC4-04 Analog Circuit | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 5EC4-04 Digital Signal Processing | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |



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| | | | |
|---|------|---|---|
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 6EC4-02 Computer Network | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 7EC5-13 CMOS Design | CO-1 | 1 | 1 |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | 1 |
| | CO-5 | - | - |
| 8EC5-12 Digital Image and Video Processing | CO-1 | 2 | 1 |
| | CO-2 | 1 | 1 |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | - |

3.1.3 A Program level Course PO matrix of all courses INCLUDING first year courses (10)
Before proceeding please click on Edit to fetch the data. Note : Enter correlation levels 1, 2
or 3 as defined below : 1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there
is no correlation, put-

3th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 3EC2-01 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| 3EC2-02 | CO-1 | 2 | 1 | 1 | - | 2 | 1 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | 1 | 1 | - | - | 1 | 2 | - | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | - | - | - | 1 | 1 | - | 2 | 2 | 3 | 1 | 3 |
| 3EC4-04 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | - | 1 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | 1 | 1 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 3EC4-05 | CO-1 | 3 | 3 | 2 | 2 | 3 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |



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|---------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| | CO-4 | 3 | 3 | 2 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 2 | 3 | 2 | 2 | - | - | 1 | 1 | 1 | 1 | 2 |
| 3EC4-06 | CO-1 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| | CO-6 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| 3EC4-07 | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | - | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | 2 | 3 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 2 | 2 |
| 3EC4-21 | CO-1 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 1 | 1 | 3 |
| | CO-2 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 1 |
| | CO-5 | 3 | 2 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| 3EC4-22 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 3 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 3 |
| 3EC4-23 | CO-1 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 2 | 2 | - | - | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | - | - | 2 | 3 | 2 | 1 | 2 |
| 3EC4-24 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 3 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 3 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| 3EC7-30 | CO-1 | 2 | 1 | 1 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |
| | CO-2 | 2 | 2 | 1 | 1 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| | CO-3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 2 | 2 | 2 | 3 | 3 |
| | CO-4 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 3 | 3 | 1 | 3 |
| | CO-5 | 2 | 1 | 1 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |

4th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 4EC2-01 | CO-1 | 2 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 2 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 2 | 3 | 2 | 3 | 2 | - | - | - | 1 | 1 | - | 2 |
| | CO-4 | 2 | 3 | 2 | 3 | 2 | 1 | 1 | - | - | - | 1 | 2 |
| 4EC1-03 | CO-1 | - | - | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | - | - | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | - | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | - | 1 | - | 1 | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 4EC4-04 | CO-1 | 3 | 2 | 3 | 3 | 2 | - | - | - | 1 | 1 | 2 | 3 |
| | CO-2 | 3 | 2 | 3 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 4EC4-05 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 2 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 1 | 2 | 3 |



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|---------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| | CO-4 | 3 | 2 | 3 | 3 | 2 | 1 | - | 1 | 2 | 1 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | 2 | 2 | 2 | 3 |
| 4EC3-06 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | 2 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | - | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| 4EC4-07 | CO-1 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 1 | - | - | 1 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | - | 1 | 2 | 1 | 2 |
| 4EC4-21 | CO-1 | 3 | 3 | 2 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 3 | 3 | 1 | 3 |
| | CO-3 | 3 | 3 | 2 | 3 | 2 | 1 | - | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 3 | 2 | - | - | 2 | 2 | 2 | 2 | 2 |
| 4EC4-22 | CO-1 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 3 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 2 | 2 | 2 | 3 |
| 4EC4-23 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 2 | 2 |
| 4EC4-24 | CO-1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |

5th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 5EC3-01 | CO-1 | 3 | - | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 3 |
| | CO-2 | 3 | - | 2 | - | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 3 |
| | CO-3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 |
| 5EC4-02 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | - | 1 | - | 1 | 3 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | - | 2 | - | 1 | 3 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | 1 | - | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 2 | - | 1 | 1 | - | 1 | 1 | 3 |
| 5EC4-03 | CO-1 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | - | 1 | - | 1 | 3 |
| | CO-2 | 3 | 2 | 2 | 3 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | - | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | - | 1 | 3 |
| | CO-5 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| 5EC4-04 | CO-1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 1 | - | - | - | 1 | 1 | 2 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | - | 1 | 1 | 2 | 1 | 3 |

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|---------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 5EC4-05 | CO-1 | 3 | 3 | 2 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | - | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | - | - | - | 2 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | - | 2 | 1 | 2 | 3 |
| 5EC5-14 | CO-1 | 3 | 3 | 2 | 2 | 2 | - | - | - | 1 | - | - | 2 |
| | CO-2 | 2 | 3 | 3 | 3 | 2 | - | - | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | - | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 2 | - | 2 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| 5EC4-21 | CO-1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | - | - | 2 | 3 | 3 | 2 | 3 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 3 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| 5EC4-22 | CO-1 | 3 | 3 | 3 | 2 | 3 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | - | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 3 | - | - | 2 | 3 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| 5EC4-23 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 3 | 3 | - | - | 1 | 2 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 3 | 3 | 3 | - | - | 2 | 2 | 3 | 1 | 2 |
| 5EC7-30 | CO-1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 3 |
| | CO-2 | 2 | 2 | 1 | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | 2 | 1 | - | - | 2 | 1 | 3 | 2 | 3 | 2 | 3 |
| | CO-4 | 2 | 2 | - | - | - | 2 | 1 | 3 | 3 | 3 | 2 | 3 |
| | CO-5 | 3 | 1 | 1 | - | 1 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |

6th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 6EC3-01 | CO-1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | - | 2 | 1 | 2 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 3 |
| 6EC4-02 | CO-1 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | 1 | 1 | - | 3 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 2 | 2 |
| | CO-3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | - | 1 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | - | 1 | 1 | 2 | 2 |
| 6EC4-03 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | 1 | 1 | 1 | 2 |
| 6EC4-04 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | - | 1 | - | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | - | 3 |
| 6EC4-05 | CO-1 | 3 | 3 | 2 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 2 | 1 | - | - | 1 | - | - | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | - | 1 | 2 |



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|---------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| | CO-4 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | - | 1 | - | 1 | 2 |
| 6EC5-11 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | 1 | - | 1 | - | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | - | 2 | - | - | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 |
| 6EC4-21 | CO-1 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-5 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 |
| 6EC4-22 | CO-1 | 3 | 2 | 2 | 3 | 3 | 1 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 2 | 2 |
| 6EC4-23 | CO-1 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 3 | 2 | 3 | 2 | - | 1 | 2 | 3 | 3 | 1 | 2 |
| | CO-5 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| 6EC4-24 | CO-1 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 2 | 2 | 1 | 1 | - | 1 | 2 | 2 | 1 | 2 |

7th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 7EC5-13 | CO-1 | 3 | 3 | 3 | 3 | 2 | - | - | - | 1 | 1 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 2 |
| | CO-5 | 3 | 3 | 2 | 2 | 2 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| 7AG6-60.2 | CO-1 | - | - | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | - | - | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | - | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | - | 1 | - | 1 | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 7EC4-21 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | - | 1 | 2 | 3 | 3 | 1 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 2 |
| 7EC4-22 | CO-1 | 3 | 2 | 2 | 2 | 2 | - | - | 1 | 2 | 2 | 1 | 2 |
| | CO-2 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-4 | 3 | 2 | 3 | 3 | 3 | - | - | 1 | 2 | 2 | 2 | 2 |
| 7EC4-23 | CO-1 | 3 | 2 | 3 | 3 | 3 | - | - | 2 | 2 | 3 | 1 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 2 | - | - | 2 | 3 | 3 | 1 | 3 |
| | CO-3 | 3 | 3 | 3 | 3 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| 7EC7-30 | CO-1 | 3 | 3 | 1 | 2 | 2 | 1 | - | 1 | 2 | 2 | 1 | 3 |
| | CO-2 | 3 | 3 | 2 | 1 | 2 | 1 | - | 2 | 3 | 2 | 2 | 3 |
| | CO-3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 2 | 2 | 2 | 3 | 3 |
| | CO-4 | 3 | 3 | 2 | 1 | 2 | 2 | 1 | 3 | 3 | 3 | 1 | 3 |
| | CO-5 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 7EC7-40 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |



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| | | | | | | | | | | | | | |
|--|------|---|---|---|---|---|---|---|---|---|---|---|---|
| | CO-4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 2 |

8th Semester Subjects

| Subject Code | CO's | Program Outcomes (PO's) | | | | | | | | | | | |
|--------------|------|-------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | | PO-1 | PO-2 | PO-3 | PO-4 | PO-5 | PO-6 | PO-7 | PO-8 | PO-9 | PO-10 | PO-11 | PO-12 |
| 8EC5-12 | CO-1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | - | 1 | - | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | - | 2 | - | 1 | 2 |
| | CO-4 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | 1 | 1 | 1 | 2 |
| 8TT6-60.2 | CO-1 | 1 | 1 | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-2 | 1 | 1 | - | - | 1 | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| | CO-3 | 2 | 1 | - | - | - | 2 | 1 | 2 | 2 | 2 | 2 | 3 |
| | CO-4 | 1 | 1 | - | - | - | 2 | 1 | 2 | 2 | 3 | 2 | 3 |
| 8EC4-21 | CO-1 | 3 | 2 | 3 | 3 | 2 | - | - | - | 1 | 1 | 2 | 3 |
| | CO-2 | 3 | 2 | 3 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 2 |
| | CO-3 | 3 | 2 | 3 | 3 | 2 | - | 1 | - | 1 | 1 | 1 | 2 |
| 8EC4-22 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-2 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| 8EC7-50 | CO-1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 |
| | CO-2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 |
| | CO-3 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 |
| | CO-4 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | 2 | 2 | 2 |
| | CO-5 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 2 |

Mapping of PSO's with CO's

3rd Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 3EC2-01 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 3EC2-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| 3EC4-04 | CO-1 | 1 | 1 |
| | CO-2 | 1 | 3 |
| | CO-3 | 1 | 3 |
| | CO-4 | 3 | 3 |
| | CO-5 | 1 | 3 |
| 3EC4-05 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | - | - |
| 3EC4-06 | CO-1 | 1 | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| | CO-5 | 1 | - |

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| | | | |
|---------|------|---|---|
| 3EC4-07 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 3EC4-21 | CO-1 | 2 | - |
| | CO-2 | 2 | - |
| | CO-3 | 1 | - |
| | CO-4 | 1 | - |
| | CO-5 | 1 | - |
| 3EC4-22 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | - |
| | CO-4 | - | - |
| | CO-5 | 1 | 1 |
| 3EC4-23 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |
| 3EC3-24 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 1 | - |
| 3EC7-30 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |

4th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 4EC2-01 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 4EC1-03 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 4EC4-04 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 4EC4-05 | CO-1 | 2 | - |
| | CO-2 | 3 | - |
| | CO-3 | 3 | - |
| | CO-4 | 3 | 2 |

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| | | | |
|---------|------|---|---|
| | CO-5 | 3 | 1 |
| 4EC3-06 | CO-1 | 2 | 2 |
| | CO-2 | 3 | 3 |
| | CO-3 | 3 | 3 |
| | CO-4 | 1 | 2 |
| | CO-5 | 3 | 3 |
| 4EC4-07 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | - |
| | CO-4 | - | 1 |
| | CO-5 | 2 | - |
| 4EC4-21 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | 3 | 2 |
| 4EC4-22 | CO-1 | - | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | - |
| | CO-5 | - | - |
| 4EC4-23 | CO-1 | 3 | - |
| | CO-2 | 3 | - |
| | CO-3 | 2 | - |
| | CO-4 | 2 | - |
| | CO-5 | 3 | - |
| 4EC4-24 | CO-1 | 1 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 2 | 2 |
| | CO-4 | 1 | 1 |
| | CO-5 | 2 | 2 |

5th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 5EC3-01 | CO-1 | 3 | 1 |
| | CO-2 | 3 | 1 |
| | CO-3 | 3 | 1 |
| | CO-4 | 3 | 2 |
| 5EC4-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | 1 |
| | CO-4 | - | - |
| | CO-5 | 1 | - |
| 5EC4-03 | CO-1 | - | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | - | - |

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| | | | |
|---------|------|---|---|
| | CO-5 | 1 | - |
| 5EC4-04 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 5EC4-05 | CO-1 | 2 | 2 |
| | CO-2 | 2 | 2 |
| | CO-3 | 2 | 1 |
| | CO-4 | 1 | 1 |
| | CO-5 | 3 | 3 |
| 5EC5-14 | CO-1 | 3 | - |
| | CO-2 | - | - |
| | CO-3 | 2 | 2 |
| | CO-4 | 1 | - |
| | CO-5 | 2 | 2 |
| 5EC4-21 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | - |
| 5EC4-22 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 1 | - |
| 5EC4-23 | CO-1 | - | - |
| | CO-2 | 3 | 2 |
| | CO-3 | - | - |
| | CO-4 | 2 | 3 |
| | CO-5 | 3 | 3 |
| 5EC7-30 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | 1 |
| | CO-5 | 3 | - |

6th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 6EC3-01 | CO-1 | 2 | - |
| | CO-2 | 2 | - |
| | CO-3 | 1 | - |
| | CO-4 | 2 | - |
| 6EC4-02 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC4-03 | CO-1 | - | - |



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| | | | |
|---------|------|---|---|
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC4-04 | CO-1 | - | - |
| | CO-2 | - | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | - |
| | CO-5 | 1 | 3 |
| 6EC4-05 | CO-1 | - | 1 |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 6EC5-11 | CO-1 | 2 | 3 |
| | CO-2 | 3 | 2 |
| | CO-3 | 1 | 1 |
| 6EC4-21 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| | CO-5 | - | - |
| 6EC4-22 | CO-1 | - | - |
| | CO-2 | - | 2 |
| | CO-3 | 3 | - |
| | CO-4 | 2 | - |
| | CO-5 | 1 | 3 |
| 6EC4-23 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | - | - |
| | CO-4 | 1 | - |
| | CO-5 | 1 | - |
| 6EC4-24 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | 2 | - |

7th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 7EC5-13 | CO-1 | 1 | 1 |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | 1 |
| | CO-5 | - | - |
| 7AG6-60.2 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 7EC4-21 | CO-1 | 1 | - |
| | CO-2 | 1 | - |
| | CO-3 | - | - |



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| | | | |
|---------|------|---|---|
| | CO-4 | - | - |
| 7EC4-22 | CO-1 | 2 | 2 |
| | CO-2 | 2 | 1 |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | 1 |
| 7EC4-23 | CO-1 | 1 | 1 |
| | CO-2 | - | 1 |
| | CO-3 | 1 | 1 |
| 7EC7-30 | CO-1 | 2 | 3 |
| | CO-2 | 2 | 3 |
| | CO-3 | 1 | 2 |
| | CO-4 | 1 | 2 |
| | CO-5 | 2 | 3 |
| 7EC7-40 | CO-1 | 2 | 3 |
| | CO-2 | 1 | 2 |
| | CO-3 | 1 | 2 |
| | CO-4 | 1 | 1 |
| | CO-5 | 1 | 1 |

8th Semester Subjects

| Subject Code | CO's | Program Specific Outcomes (PSO's) | |
|--------------|------|-----------------------------------|-------|
| | | PSO-1 | PSO-2 |
| 8EC5-12 | CO-1 | 2 | 1 |
| | CO-2 | 1 | 1 |
| | CO-3 | 1 | 1 |
| | CO-4 | 1 | - |
| 8TT6-60.2 | CO-1 | - | - |
| | CO-2 | - | - |
| | CO-3 | - | - |
| | CO-4 | - | - |
| 8EC4-21 | CO-1 | 1 | 3 |
| | CO-2 | 2 | 2 |
| | CO-3 | 1 | 2 |
| 8EC4-22 | CO-1 | 1 | 2 |
| | CO-2 | 1 | 2 |
| 8EC7-50 | CO-1 | 3 | 3 |
| | CO-2 | 2 | 2 |
| | CO-3 | 2 | 2 |
| | CO-4 | 2 | 3 |
| | CO-5 | 3 | 3 |

3.2 Attainment of Course Outcomes (50)

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)



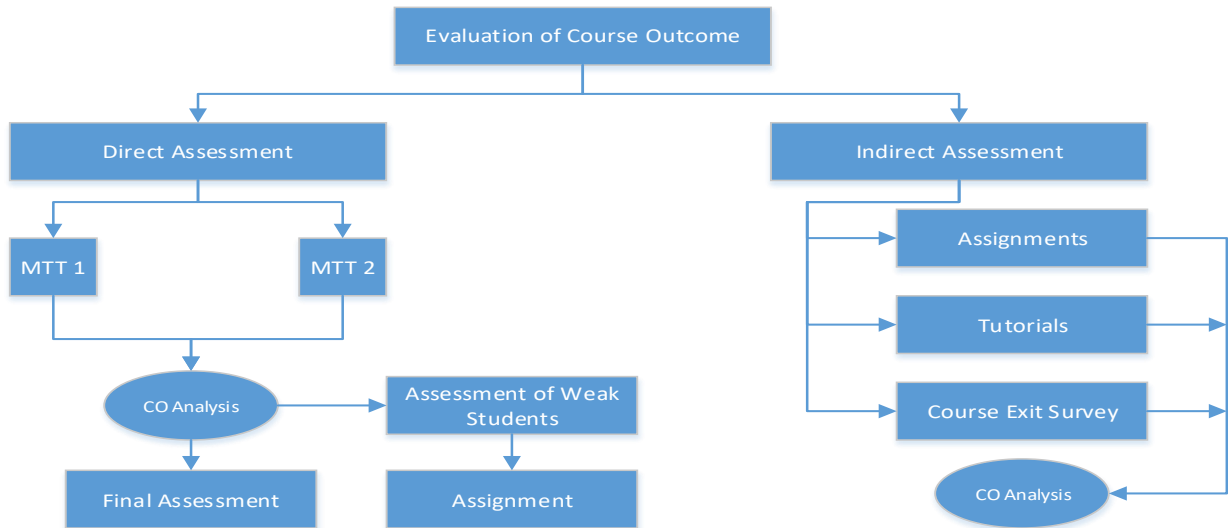


Figure 3.2 Process required for assessment

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (40)

The table mentioned below shows the CO attainment of all subjects for session 2021-22

| Sub. Code | Sub. Name | CO's | Percentage CO attainment |
|-----------|---|------|--------------------------|
| 8EC5-12 | Digital Image and Video Processing | CO-1 | 61.4 |
| | | CO-2 | 61.1 |
| | | CO-3 | 60.8 |
| | | CO-4 | 61.7 |
| 8TT6-60.2 | Disaster Management | CO-1 | 49.1 |
| | | CO-2 | 49.1 |
| | | CO-3 | 49.7 |
| | | CO-4 | 49.5 |
| 8EC4-21 | Internet of Things (IOT) Lab | CO-1 | 100.0 |
| | | CO-2 | 100.0 |
| | | CO-3 | 100.0 |
| 8EC4-22 | Skill Development Lab | CO-1 | 100.0 |
| | | CO-2 | 100.0 |
| 8EC7-50 | Project II | CO-1 | 86.7 |
| | | CO-2 | 87.1 |
| | | CO-3 | 87.1 |
| | | CO-4 | 86.7 |
| | | CO-5 | 86.9 |
| 7EC5-11 | VLSI Design | CO-1 | 64.3 |
| | | CO-2 | 64.1 |
| | | CO-3 | 65.0 |
| | | CO-4 | 65.6 |
| | | CO-5 | 65.0 |
| 7AG6-60.2 | Environmental Engineering and Disaster Management | CO-1 | 64.8 |
| | | CO-2 | 64.8 |
| | | CO-3 | 66.8 |
| | | CO-4 | 65.4 |

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| | | | |
|---------|---|------|------|
| 7EC4-21 | VLSI Design Lab | CO-1 | 87.6 |
| | | CO-2 | 87.6 |
| | | CO-3 | 88.0 |
| | | CO-4 | 88.0 |
| 7EC4-22 | Advance Communication Lab (MATLAB Simulation) | CO-1 | 96.1 |
| | | CO-2 | 96.1 |
| | | CO-3 | 95.4 |
| | | CO-4 | 95.9 |
| 7EC4-23 | Optical Communication Lab | CO-1 | 87.6 |
| | | CO-2 | 87.6 |
| | | CO-3 | 87.4 |
| 7EC7-30 | Industrial Training | CO-1 | 82.0 |
| | | CO-2 | 81.5 |
| | | CO-3 | 81.5 |
| | | CO-4 | 81.7 |
| | | CO-5 | 81.5 |
| 7EC7-40 | Seminar | CO-1 | 81.8 |
| | | CO-2 | 81.8 |
| | | CO-3 | 81.5 |
| | | CO-4 | 81.5 |
| | | CO-5 | 81.7 |
| 5EC3-01 | Computer Architecture | CO-1 | 65.1 |
| | | CO-2 | 64.6 |
| | | CO-3 | 64.9 |
| | | CO-4 | 65.0 |
| 5EC4-02 | Electromagnetic Waves | CO-1 | 68.4 |
| | | CO-2 | 68.3 |
| | | CO-3 | 70.2 |
| | | CO-4 | 70.3 |
| | | CO-5 | 70.1 |
| 5EC4-03 | Control System | CO-1 | 61.8 |
| | | CO-2 | 62.2 |
| | | CO-3 | 62.6 |
| | | CO-4 | 61.8 |
| | | CO-5 | 61.8 |
| 5EC4-04 | Digital Signal Processing | CO-1 | 68.6 |
| | | CO-2 | 68.5 |
| | | CO-3 | 69.1 |
| | | CO-4 | 68.8 |
| | | CO-5 | 68.7 |
| 5EC4-05 | Microwave Theory & Techniques | CO-1 | 69.6 |
| | | CO-2 | 69.2 |
| | | CO-3 | 69.7 |
| | | CO-4 | 68.7 |
| | | CO-5 | 69.9 |

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| | | | |
|---------|-------------------------------|------|------|
| 5EC5-14 | Embedded System | CO-1 | 69.4 |
| | | CO-2 | 69.1 |
| | | CO-3 | 69.1 |
| | | CO-4 | 69.7 |
| | | CO-5 | 69.3 |
| 5EC4-21 | RF Simulation Lab | CO-1 | 76.5 |
| | | CO-2 | 76.5 |
| | | CO-3 | 75.7 |
| | | CO-4 | 75.7 |
| 5EC4-22 | Digital Signal Processing Lab | CO-1 | 83.6 |
| | | CO-2 | 83.6 |
| | | CO-3 | 84.3 |
| | | CO-4 | 84.3 |
| | | CO-5 | 84.2 |
| 5EC4-23 | Microwave Lab | CO-1 | 68.4 |
| | | CO-2 | 68.4 |
| | | CO-3 | 68.4 |
| | | CO-4 | 68.4 |
| | | CO-5 | 68.7 |
| 5EC7-30 | Industrial Training | CO-1 | 95.8 |
| | | CO-2 | 95.8 |
| | | CO-3 | 95.5 |
| | | CO-4 | 95.5 |
| | | CO-5 | 96.2 |

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1 Describe assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

(Describe the assessment tools and processes used together the data upon which the evaluation of each of the Program Outcomes and Program Specific Outcomes is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes and Program Specific Outcomes are attained and document the attainment levels)

| PO's | Skill to be demonstrated | Assessment tools |
|------|---------------------------------|---|
| PO1 | Engineering knowledge | <ul style="list-style-type: none"> ➤ MTT result, RTU result, Project ➤ Mentoring, Core, Soft skill, Higher studies ➤ Technical Event, Conference/Workshop, Social Activity ➤ Course exit, Student exit |
| PO2 | Problem analysis | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment ➤ Core, Soft skill, Higher studies ➤ Technical Event, Conference/Workshop, E-Resources, Industrial Visit ➤ Student exit, Alumni, Faculty |
| PO3 | Design/development of solutions | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Soft skill, Higher studies ➤ Technical Event, Conference/Workshop, Social Activity, Industrial Visit ➤ Student exit, Alumni, Employer/Parents |

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| | | |
|------|--|--|
| PO4 | Conduct investigations of complex problems | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Soft skill, Higher studies, PSU/GATE ➤ Technical Event, Social Activity, E-Resources, Industrial Visit ➤ Student exit, Alumni, Faculty |
| PO5 | Modern tool usage | <ul style="list-style-type: none"> ➤ RTU result, Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill, Higher studies, PSU/GATE ➤ Technical Event, Conference/Workshop, E-Resources, Social Activity ➤ Course exit, Student exit, Employer/Parents |
| PO6 | The engineer and society | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, PSU/GATE ➤ Technical Event, Conference/Workshop, E-Resources, Social Activity, Industrial Visit ➤ Course exit, Alumni, Employer/Parents |
| PO7 | Environment and sustainability | <ul style="list-style-type: none"> ➤ RTU result, Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill, Higher studies ➤ Technical Event, Conference/Workshop, Social Activity, Industrial Visit ➤ Course exit, Alumni |
| PO8 | Ethics | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill ➤ Technical Event, Conference/Workshop, E-Resources, Social Activity, Industrial Visit ➤ Course exit, Alumni, Faculty, Employer/Parents |
| PO9 | Individual and team work | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Higher studies, PSU/GATE ➤ Technical Event, Conference/Workshop, Social Activity, Industrial Visit ➤ Course exit, Alumni |
| PO10 | Communication | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill, Higher studies, PSU/GATE ➤ Technical Event, Conference/Workshop, Social Activity, Industrial Visit ➤ Alumni, Faculty, Employer/Parents |
| PO11 | Project management and finance | <ul style="list-style-type: none"> ➤ Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill, Higher studies, PSU/GATE ➤ Technical Event, Conference/Workshop, Social Activity ➤ Course exit, Alumni, Faculty, Employer/Parents |
| PO12 | Life-long learning | <ul style="list-style-type: none"> ➤ RTU result, Project, Lab/Experiment, Industrial training ➤ Core, Mentoring, Soft skill, Higher studies, PSU/GATE ➤ Technical Event, Conference/Workshop, Social Activity, Industrial Visit ➤ Course exit, Student exit, Alumni, Faculty |

3.3.2 Provide results of evaluation of PO&PSO (40)

Program shall set Program Outcome attainment levels for all Pos.

(The attainment levels by direct (student performance) and indirect(surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).

Instructions 1. Please Enter PO and PSO between 0 to 3. Fractional values are acceptable.

2. You can leave the fields (PO and PSO) blank.

3. Blank and 0 will not be participated in the calculation.

Tools for PO and PSO Attainment (Session 2021-22):



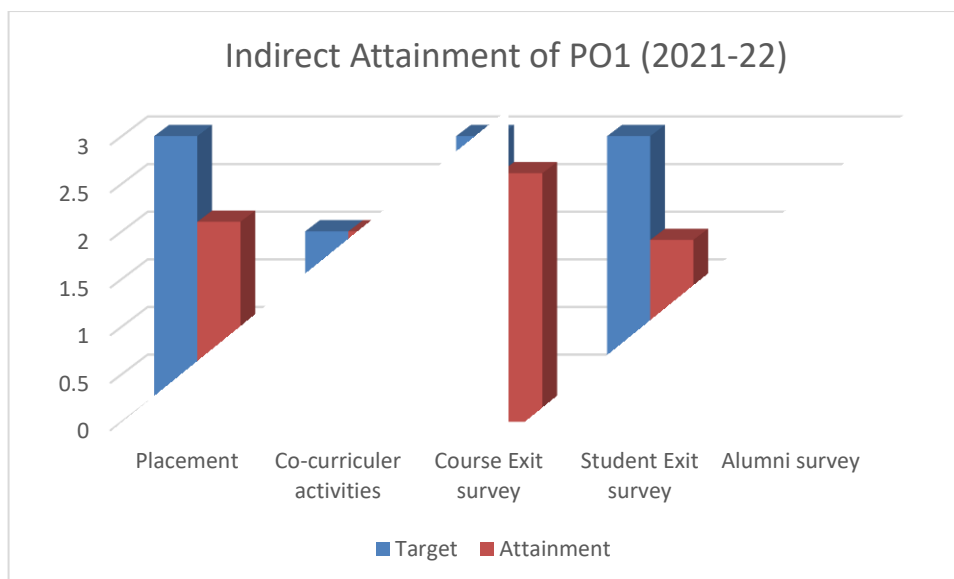
Department of Electronics & Communication Engineering

The assessment process included the following steps to attain the PO using Direct and Indirect methods. The details of Direct and Indirect methods are also discussed and their measuring tools are provided.

- PO attainment = Direct attainment + Indirect attainment
- Direct attainment = 80% weightage of end semester examination (ESE) + 20% weightage of Mid-term examination (MTE) = $0.8*x + 0.2*y$
x = ESE, y = MTE
- Indirect attainment = Surveys from stakeholders, placement data, participation of students in co-curricular activities
- CO attainment = $0.8*x + 0.2*y$
Where x = End semester examination (ESE)
y = Mid-term examination (MTE)
- Indirect and direct assessments are mapped with PO and PSO assessment through rubric as given in below

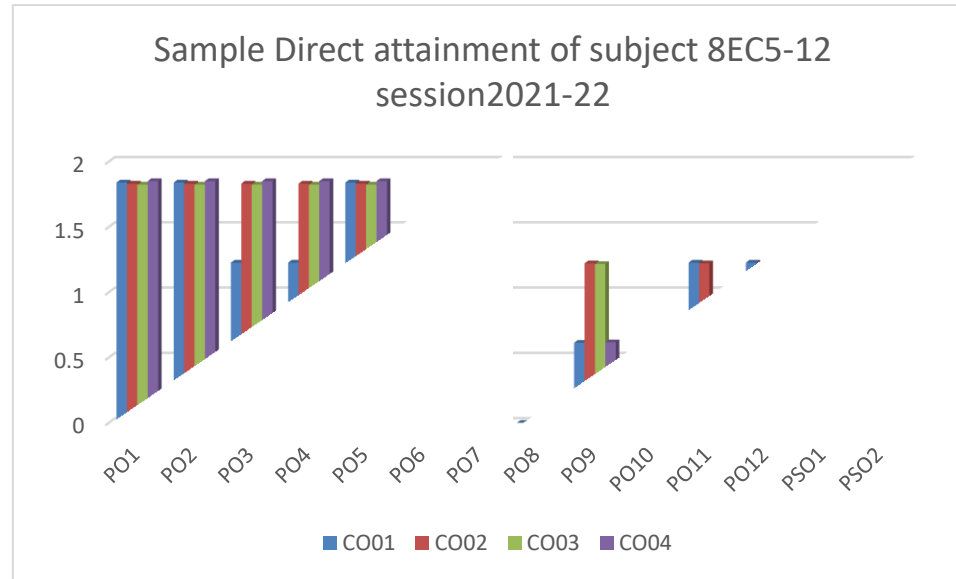
Indirect PO and PSO attainment:

| Department of Electronics and Communication Engineering Program Outcomes Target Description PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and electronics & communication engineering specialization to the solution of complex electronics and communication engineering problems. | | | | |
|---|--------------------------|--------|------------|---|
| | Tools | Target | Attainment | Rubric |
| INDIRECT | Placement | 3 | 2.1 | >=70% students placed => Target Achieved Else pro rata |
| | Co-curricular activities | 2 | 2 | >=80% students participated => Target Achieved Else pro rata |
| | Course Exit survey | 3 | 2.61 | Pro rata |
| | Student Exit survey | 3 | 1.91 | Pro rata |
| | Alumni survey | 1 | 0.78 | Pro rata |
| | | 2.4 | 1.88 | |



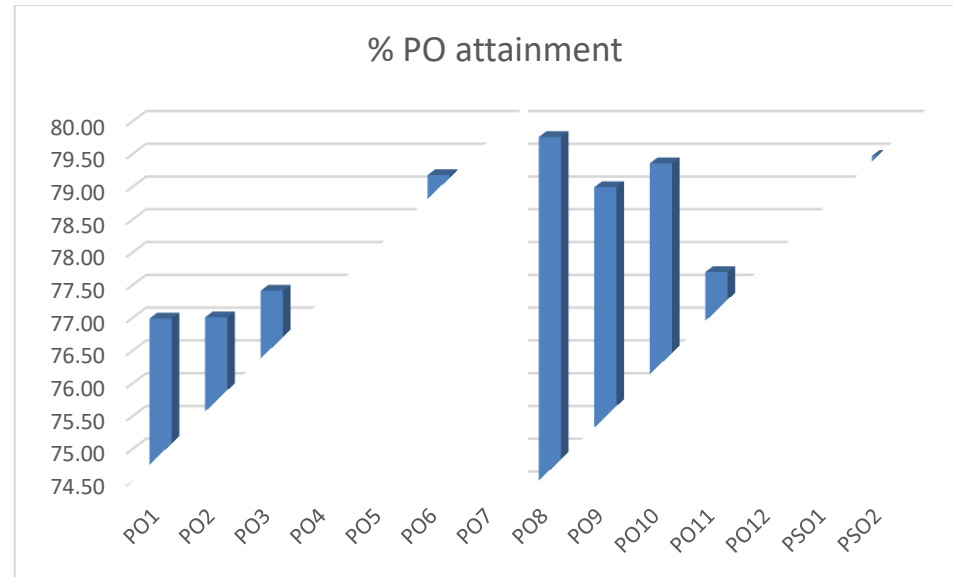
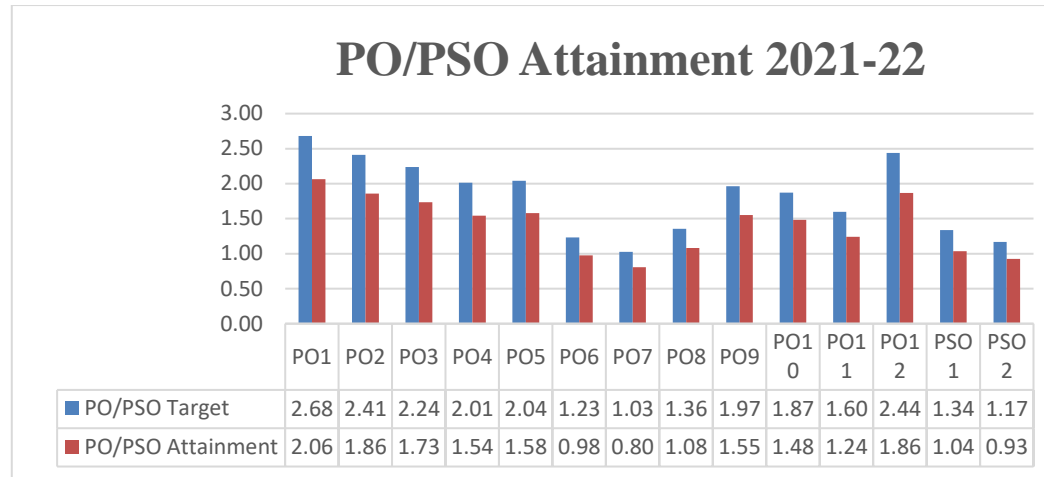
Direct PO and PSO attainment:

| SUBJECT | COURSE CODE | PO Attainment | | | | | | | | | | | | | | PSO | CO Attainment | SUBJECT | COURSE CODE | PO Attainment | | | | | | | | | | | | | | PSO | | | | | | | | |
|---------|-------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|----------|---------------|---------|-------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | | | | | | | | |
| 8EC5-12 | CO01 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | 0 | 1 | 0 | 2 | 2 | 2 | 1 | 1 | 61.35071 | 8EC5-12 | CO01 | 1.840521 | 1.840521 | 1.227014 | 1.227014 | 1.840521 | 0.613507 | 0.613507 | 0 | 0.613507 | 0 | 1.227014 | 1.227014 | 1.227014 | 1.227014 | 0.613507 | 0.613507 | 0 | 1.227014 | 1.227014 | 1.227014 | 1.227014 | 0.613507 | 0.613507 |
| | CO02 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 0 | 2 | 0 | 2 | 2 | 1 | 1 | 61.06871 | CO02 | | 1.832061 | 1.832061 | 1.832061 | 1.832061 | 1.832061 | 0.610687 | 1.221374 | 0 | 1.221374 | 0 | 1.221374 | 1.221374 | 1.221374 | 0.610687 | 0.610687 | 0 | 1.221374 | 1.221374 | 1.221374 | 0.610687 | 0.610687 | | | |
| | CO03 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 0 | 2 | 0 | 1 | 2 | 1 | 1 | 60.81671 | CO03 | | 1.824501 | 1.824501 | 1.824501 | 1.824501 | 1.824501 | 0.608167 | 1.216334 | 0 | 1.216334 | 0 | 0.608167 | 1.216334 | 1.216334 | 0.608167 | 1.216334 | 0.608167 | 0 | 0.608167 | 1.216334 | 1.216334 | 0.608167 | 0.608167 | | |
| | CO04 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 61.71871 | CO04 | | 1.851561 | 1.851561 | 1.851561 | 1.851561 | 1.851561 | 0.617187 | 0 | 0 | 0.617187 | 0.617187 | 0.617187 | 1.234374 | 0.617187 | 1.234374 | 0.617187 | 1.234374 | 0.617187 | 0 | 0.617187 | 1.234374 | 0.617187 | 0.617187 | 0 | |



Attainment of Program Outcomes 2021-22

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|--------------------------|-------------|----------|----------|--------|----------|----------|-------|----------|----------|----------|----------|----------|----------|----------|
| PO/PSO Target | 2.68 | 2.41 | 2.24 | 2.01 | 2.04 | 1.23 | 1.03 | 1.36 | 1.97 | 1.87 | 1.60 | 2.44 | 1.34 | 1.17 |
| PO/PSO Attainment | 2.06 | 1.86 | 1.73 | 1.54 | 1.58 | 0.98 | 0.80 | 1.08 | 1.55 | 1.48 | 1.24 | 1.86 | 1.04 | 0.93 |
| % PO attainment | 76.98754283 | 77.00569 | 77.41234 | 76.753 | 77.31819 | 79.17621 | 78.47 | 79.75677 | 78.99051 | 79.35535 | 77.69699 | 76.53559 | 77.56428 | 79.46894 |



| | | |
|--------------------|------------------------------|------------|
| CRITERION 4 | Students' Performance | 150 |
|--------------------|------------------------------|------------|

4. STUDENTS' PERFORMANCE (150)

| Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable) | CAY (2021-22) |
|--|------------------|
| Sanctioned intake of the program (N) | 180 |
| Total number of students admitted in first year <i>minus</i> number of students migrated to other programs/institutions plus no. of students migrated to this program (N1) | 120 |
| Number of students admitted in 2 nd year in the same batch via lateral entry (N2) | 1 |
| Separate division students, if applicable (N3) | nil |
| Total number of students admitted in the Program (N1 + N2 + N3) | 121 |

Table B.4a

CAY – Current Academic Year

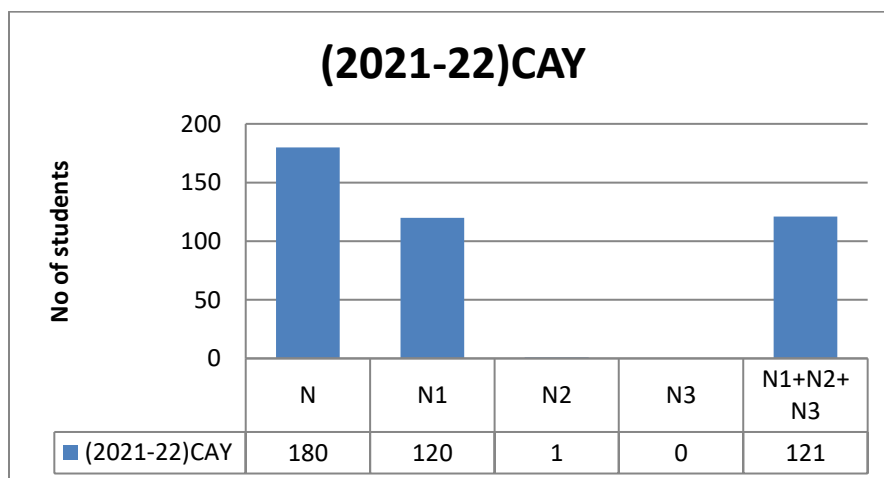
CAYm1- Current Academic Year minus1= Current Assessment Year

CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1

LYG – Last Year Graduate minus 1

LYGm1 – Last Year Graduate minus 1

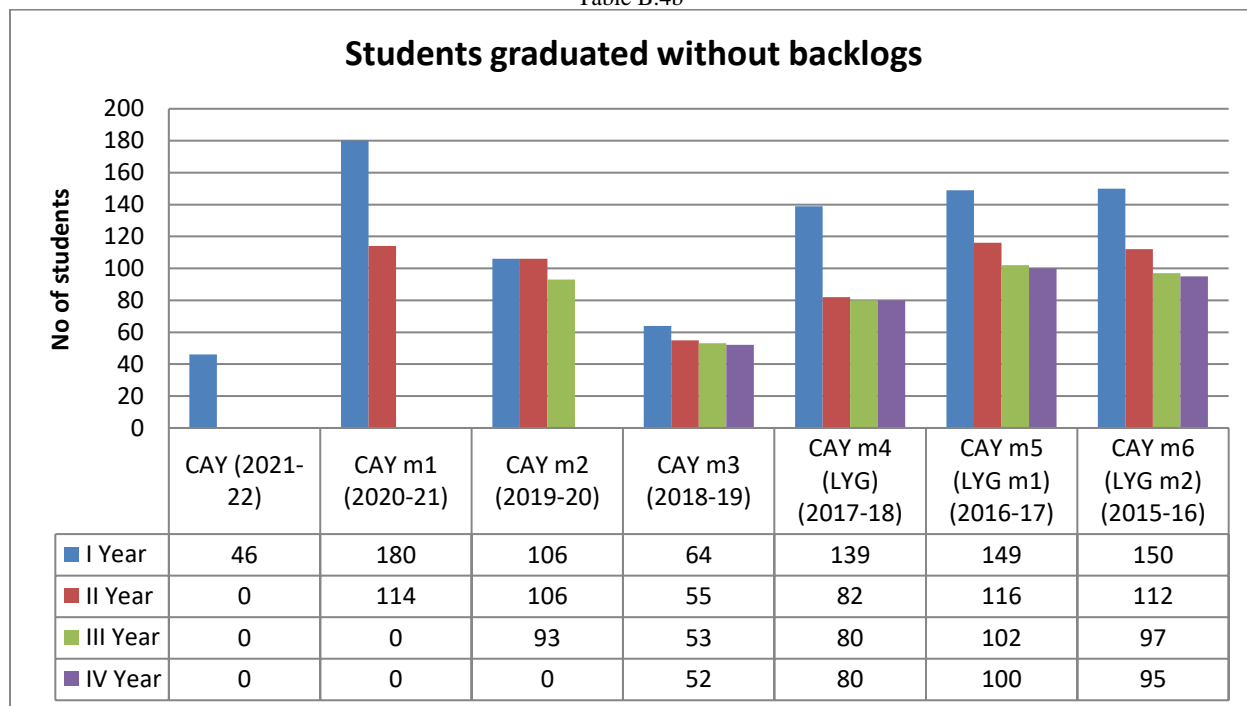
LYGm2 – Last Year Graduate minus 2



Department of Electronics & Communication Engineering

| Year of entry | N1 + N2 + N3 (As defined above) | Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study) | | | |
|------------------------|---------------------------------|--|---------|----------|---------|
| | | I Year | II Year | III Year | IV Year |
| CAY (2021-22) | 121(120+1+0) | 46 | - | - | - |
| CAYm1 (2020-21) | 181(175+6+0) | 180 | 114 | - | - |
| CAYm2 (2019-20) | 230(229+1+0) | 106 | 106 | 93 | - |
| CAYm3 (2018-19) | 162(161+1+0) | 64 | 55 | 53 | 52 |
| CAYm4(LYG) (2017-18) | 221(220+1+0) | 139 | 82 | 80 | 80 |
| CAYm5(LYGm1) (2016-17) | 237(235+2+0) | 149 | 116 | 102 | 100 |
| CAYm6(LYGm2) (2015-16) | 228(225+3+0) | 150 | 112 | 97 | 95 |

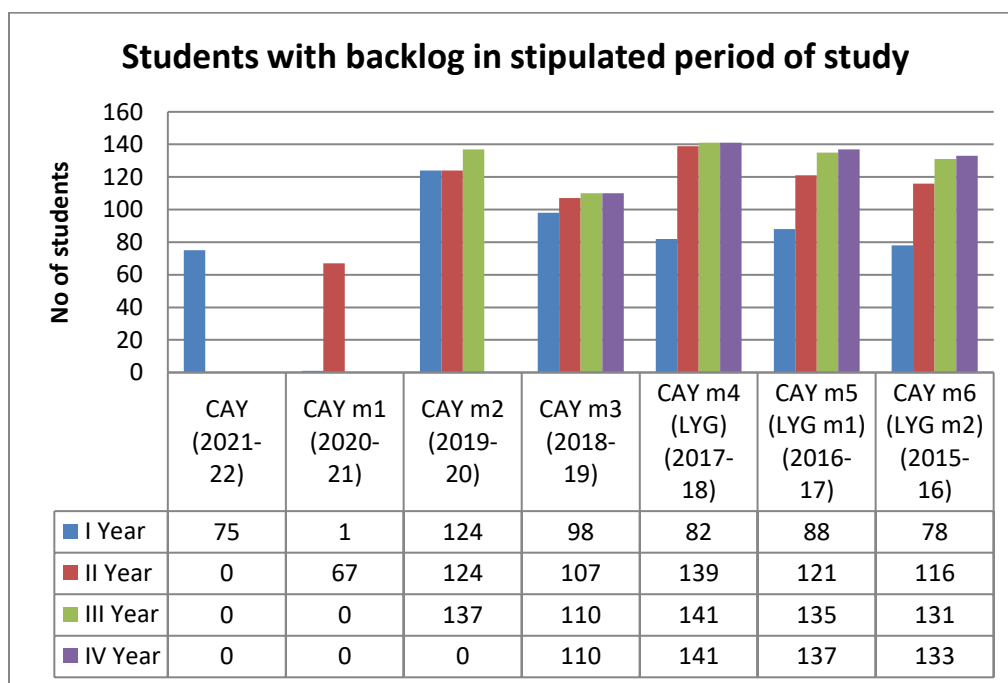
Table B.4b



Department of Electronics & Communication Engineering

| Year of entry | N1 + N2 + N3 (As defined above) | Number of students who have successfully graduated (Students with backlog in stipulated period of study) | | | |
|-------------------------------|---------------------------------|--|---------|----------|---------|
| | | I Year | II Year | III Year | IV Year |
| CAY (2021-22) | 121(120+1+0) | 75 | - | - | - |
| CAYm1 (2020-21) | 181(175+6+0) | 01 | 67 | - | - |
| CAYm2 (2019-20) | 230(229+1+0) | 124 | 124 | 137 | - |
| CAYm3 (2018-19) | 162(161+1+0) | 98 | 107 | 110 | 110 |
| CAYm4(LYG) (2017-18) | 221(220+1+0) | 82 | 139 | 141 | 141 |
| CAYm5(LYGm1) (2016-17) | 237(235+2+0) | 88 | 121 | 135 | 137 |
| CAYm6(LYGm2) (2015-16) | 228(225+3+0) | 78 | 116 | 131 | 133 |

Table B.4c



Department of Electronics & Communication Engineering

4.1. Enrolment Ratio (20) Enrolment Ratio= $N1/N$

| Item (Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year) | Marks |
|---|-------|
| >=90% students enrolled | 20 |
| >=80% students enrolled | 18 |
| >=70% students enrolled | 16 |
| >=60% students enrolled | 14 |
| >=50% students enrolled | 12 |
| Otherwise | 0 |

Table B.4.1

| Year | N1 | N | Enrolment Ratio= $N1/N$ | Parentage | Average percentage | Marks |
|--------------|-----|-----|-------------------------------|-----------|-----------------------|-----------|
| CAY(2021-22) | 121 | 180 | 0.67 | 67.8% | 80.03% | 18 |
| CAY(2020-21) | 181 | 240 | 0.75 | 75.5% | | |
| CAY(2019-20) | 230 | 240 | 0.958 | 95.785% | | |
| Marks | | | | | | 18 |

4.2. Success Rate in the stipulated period of the program (40)

4.2.1. Success rate without backlogs in any semester/year of study (25)

SI= (Number of students who have graduated from the program without backlog)/
(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = Mean of Success Index (SI) for past three batches

Success rate without backlogs in any year of study = $25 \times$ Average SI

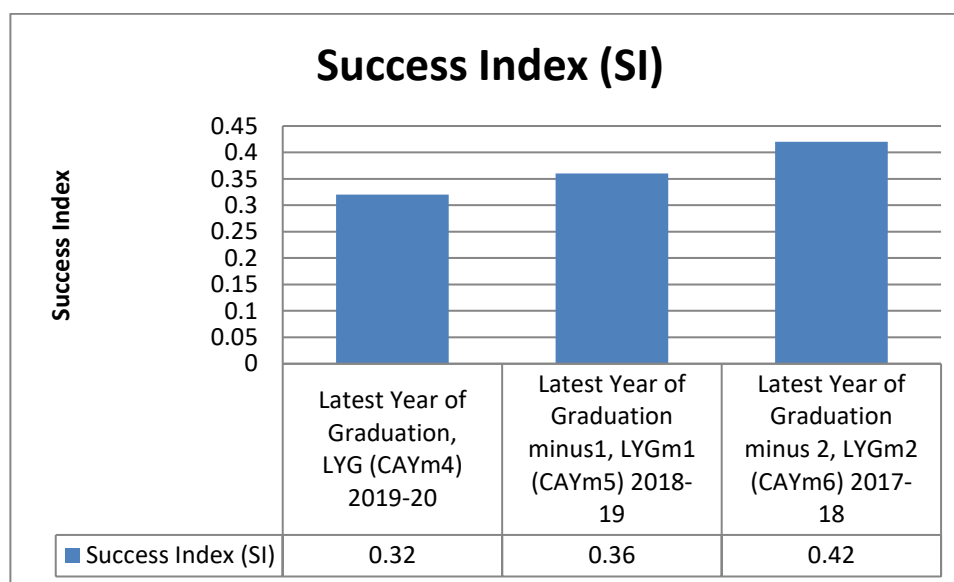


Department of Electronics & Communication Engineering

| Item | Latest Year of Graduation, LYG (CAYm4) 2019-20 | Latest Year of Graduation minus1, LYGm1 (CAYm5) 2018-19 | Latest Year of Graduation minus 2, LYGm2 (CAYm6) 2017-18 |
|---|--|---|--|
| Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable | 162 | 221 | 237 |
| Number of students who have graduated without backlog in the stipulated period | 52 | 80 | 100 |
| Success Index (SI) | 0.32 | 0.36 | 0.42 |
| Average Success Index | 0.36 | | |

Table B.4.2.1

Success rate: $0.36 \times 25 = 9$



4.2.2. Success rate with backlog in stipulated period of study (15)

SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = mean of Success Index (SI) for past three batches
 Success rate = 15 × Average SI

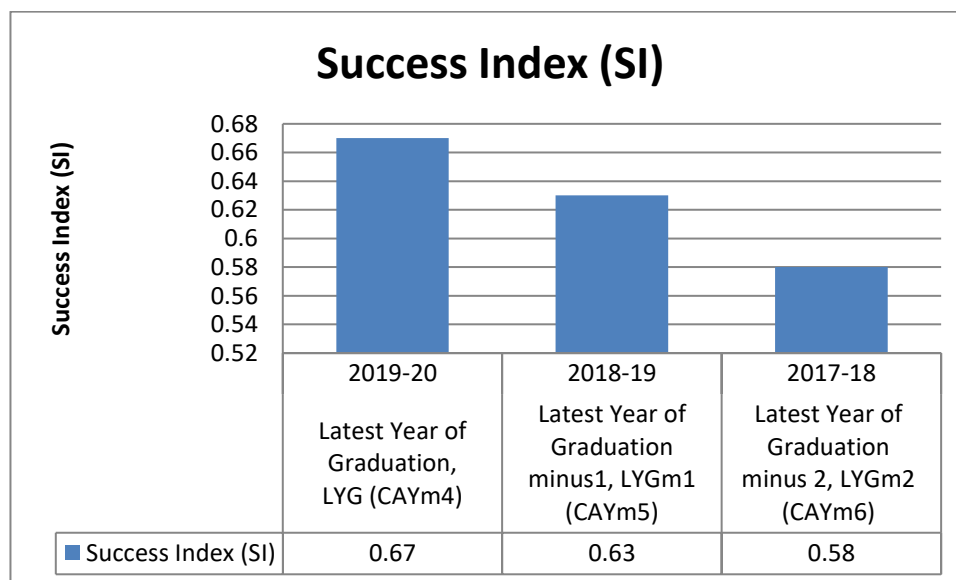
Department of Electronics & Communication Engineering

| Item | Latest Year of Graduation, LYG (CAYm4) 2019-20 | Latest Year of Graduation minus1, LYGm1 (CAYm5) 2018-19 | Latest Year of Graduation minus 2, LYGm2 (CAYm6) 2017-18 |
|---|--|---|--|
| Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable | 162 | 221 | 237 |
| Number of students who have graduated with backlog in the stipulated period | 110 | 141 | 137 |
| Success Index (SI) | 0.67 | 0.63 | 0.58 |
| Average Success Index | 0.62 | | |

Table B.4.2.2

Success rate: $0.62 \times 15 = 9.3$

Note: If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.



4.3. Academic Performance in Third Year (15)

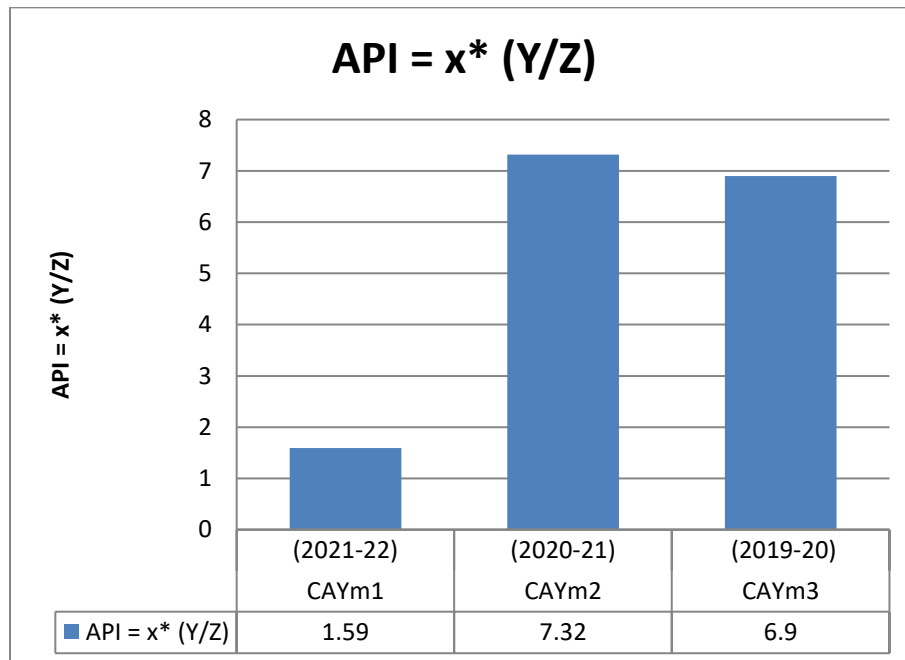
Academic Performance = 1.5 * Average API (Academic Performance Index)

API = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (number of successful students/number of students appeared in the examination) Successful students are those who are permitted to proceed to the final year.

| Academic Performance | CAYm1 (2021-22) | CAYm2 (2020-21) | CAYm3 (2019-20) |
|--|--------------------|--------------------|--------------------|
| Mean of CGPA of Mean Percentage of all successful students (X) | 3.50 | 7.32 | 6.9 |
| Total no. of successful students (Y) | 62 | 159 | 216 |
| Total no. of students appeared in the examination (Z) | 136 | 159 | 216 |
| API = $x^* (Y/Z)$ | 1.59 | 7.32 | 6.9 |
| Average API = $(AP1 + AP2 + AP3)/3$ | 5.27 | | |

Table B.4.3

Academic Performance = $1.5 \times 5.27 = 7.90$



4.4. Academic Performance in Second Year (15)

Academic Performance Level = $1.5 * \text{Average API (Academic Performance Index)}$

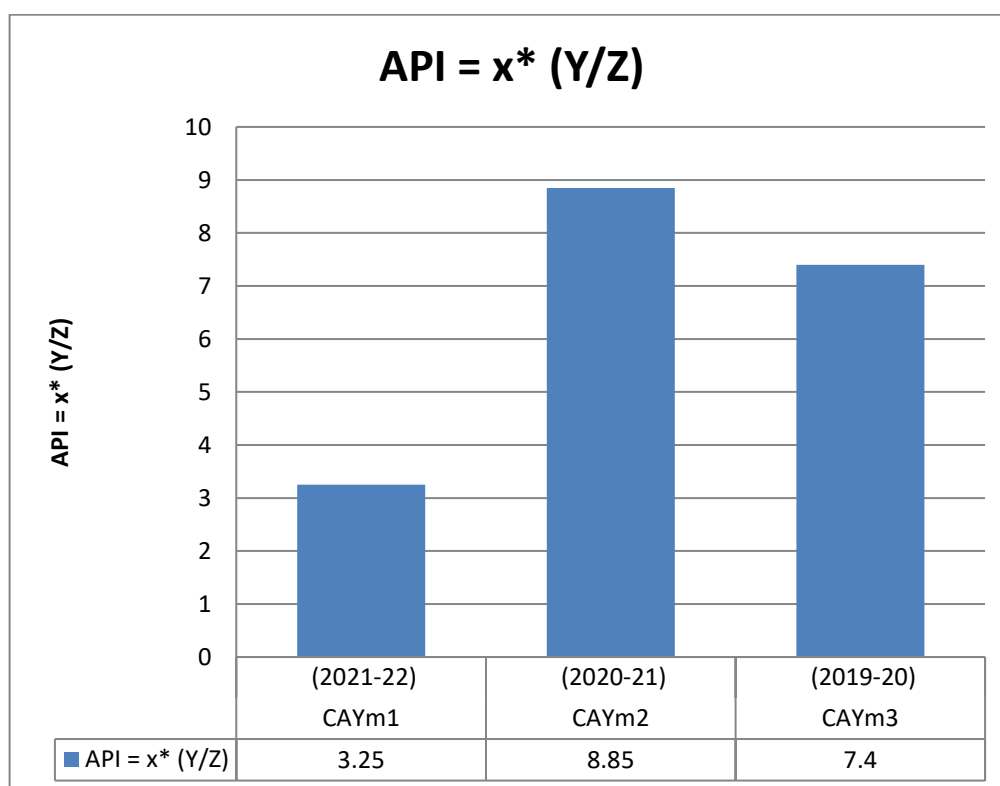
API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) \times (number of successful students/number of students appeared in the examination) Successful students are those who are permitted to proceed to the Third year.

Department of Electronics & Communication Engineering

| Academic Performance | CAYm1 (2021-22) | CAYm2 (2020-21) | CAYm3 (2019-20) |
|--|--------------------|--------------------|--------------------|
| Mean of CGPA of Mean Percentage of all successful students (X) | 5.13 | 8.85 | 7.4 |
| Total no. of successful students (Y) | 114 | 138 | 159 |
| Total no. of students appeared in the examination (Z) | 180 | 138 | 159 |
| API = $x * (Y/Z)$ | 3.25 | 8.85 | 7.4 |
| Average API = $(AP1 + AP2 + AP3)/3$ | 6.5 | | |

Table B.4.4

Academic Performance Level= $1.5 \times 6.5 = 9.75$



Department of Electronics & Communication Engineering

4.5 Placement, Higher studies and entrepreneurship (40)

Assessment point= 40* average placement

| Item | CAYm1 (2021-22) | CAYm1 (2020-21) | CAYm1 (2020-19) |
|--|--------------------|--------------------|--------------------|
| Total No. of Final Year Students (N) | 155 | | |
| No. of students placed in companies or Government Sector (x) | 103 | | |
| No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y) | 1 | | |
| No. of students turned entrepreneur in engineering/technology (z) | 0 | | |
| $x + y + z =$ | 104 | | |
| Placement Index : $(x + y + z)/N$ | 0.67 | | |
| Average placement= $(P1 + P2 + P3)/3$ | 0.67 | | |

Table B.4.5

Assessment point= 40* 0.67 = 26.8

Department of Electronics & Communication Engineering

Sample Placement Data of CA Ym1 (2021-22)

| S.No | University Roll No. | Name | Company Placed |
|------|---------------------|----------------------|----------------------------------|
| 1 | 18EJCEC001 | AAKASH CHAMOLI | AdWeb Designs |
| 2 | 18EJCEC003 | ABHINAV DADHICH | Thrilophilia/ Yudziz(Off-campus) |
| 3 | 18EJCEC005 | ABHISHEK DAVE | Wipro, TCS |
| 4 | 18EJCEC006 | ABHISHEK JAIN | LTI, Wipro,TCS |
| 5 | 18EJCEC007 | ADITYA YADAV | Planet spark |
| 6 | 18EJCEC009 | AKASH ARORA | Cloud Analogy, TCS, Wipro |
| 7 | 18EJCEC011 | AKSHAT TODI | Metacube |
| 8 | 18EJCEC012 | AKSHAY KUMAR BENIWAL | SquareYard |
| 9 | 18EJCEC014 | AMAN JAIN | Accenture |
| 10 | 18EJCEC015 | AMAN KUMAR JANGIR | Meditab, TCS |
| 11 | 18EJCEC016 | AMIT KUMAR CHHIPA | Metacube,TCS |
| 12 | 18EJCEC017 | ANCHAL MADNANI | Coforge ,birlasoft , TCS |
| 13 | 18EJCEC018 | ANJALI | Accenture, Wipro, TCS |
| 14 | 18EJCEC019 | ANKIT KUMAR SHARMA | Wipro |
| 15 | 18EJCEC023 | ARUSHI JAIN | LTI |
| 16 | 18EJCEC024 | ARYAN JAIN | Capgemini,Wipro,TCS |
| 17 | 18EJCEC025 | ASHISH JAIN | Capgemini,TCS |
| 18 | 18EJCEC027 | ASHISH MANGAL | Capgemini |
| 19 | 18EJCEC028 | ASHISH RAJ | Cloud Analogy |
| 20 | 18EJCEC029 | ASHISH YADAV | Metacube Software Pvt Ltd |
| 21 | 18EJCEC030 | ASHOK SINGH GURJAR | Accenture |
| 22 | 18EJCEC033 | ASHYA JAIN | JustDial |
| 23 | 18EJCEC035 | ASTHA GOYAL | Metacube, Wipro,TCS |
| 24 | 18EJCEC037 | AYUSH KUMAR | Capgemini, Wipro |
| 25 | 18EJCEC038 | AYUSH SHARMA | Wipro |
| 26 | 18EJCEC039 | AYUSHI PRAJAPATI | CoForge |
| 27 | 18EJCEC040 | BHUMI GAJJAR | Capgemini, wipro |
| 28 | 18EJCEC043 | CHHAYA AGARWAL | LTI |
| 29 | 18EJCEC044 | CHIRAG MAHAJAN | Accenture / HPE |
| 30 | 18EJCEC045 | DARSHAN NAHATA | Accenture |
| 31 | 18EJCEC046 | DEVANSHI GAUTAM | Metacube |
| 32 | 18EJCEC047 | Devanshi Nehra | Wipro |
| 33 | 18EJCEC048 | DEVHUTI JOSHI | Capgemini / TCS |
| 34 | 18EJCEC050 | DIGVIJAY SINGH | Meditab |
| 35 | 18EJCEC051 | DIPANSHU TOMER | SquareYard |
| 36 | 18EJCEC054 | GARGI JAIMAN | Wipro |
| 37 | 18EJCEC055 | GARIMA GOYAL | Accenture |
| 38 | 18EJCEC056 | GAURANG SINGHAL | Appcino |
| 39 | 18EJCEC057 | GAURAV AGRAWAL | Cloud Analogy |
| 40 | 18EJCEC059 | HARSH KUMAR JARTHAL | Metacube |
| 41 | 18EJCEC061 | HARSHITA JAIN | Capgemini , TCS , Wipro |
| 42 | 18EJCEC064 | HIMANSHU KAPOOR | Meditab |
| 43 | 18EJCEC065 | HIMANSHU SAHU | JTC, Wipro |

Department of Electronics & Communication Engineering

| | | | |
|----|------------|------------------------|-----------------------------------|
| 44 | 18EJCEC069 | ISHA GOTHI | Wipro TCS |
| 45 | 18EJCEC070 | ISHIKA CHABRA | Capgemini, TCS |
| 46 | 18EJCEC072 | JATIN BALANI | 360 Degree Cloud, Wipro |
| 47 | 18EJCEC075 | KAUSHAL KHANDAL | Squareyards |
| 48 | 18EJCEC076 | KAUSHAL SHARMA | Pratham Software, Wipro |
| 49 | 18EJCEC077 | KHUSHAL VIJAY | Wipro |
| 50 | 18EJCEC078 | KHUSHBU JETHWANI | capgemini,wipro |
| 51 | 18EJCEC080 | KRITIKA BOHRA | TCS |
| 52 | 18EJCEC082 | LEKHRAJ PALIWAL | Capgemini , Wipro |
| 53 | 18EJCEC087 | MAYANK JAIN | Capgemini |
| 54 | 18EJCEC088 | MAYUR MANGAL | Cloud analogy |
| 55 | 18EJCEC091 | MOHIT KHANDELWAL | Metacube, TCS |
| 56 | 18EJCEC093 | MUDIT SINGHAL | Cloud Analogy |
| 57 | 18EJCEC094 | NAVEEN KUMAR SHARMA | Metacube |
| 58 | 18EJCEC097 | NIHARIKA MISHRA | HPE |
| 59 | 18EJCEC101 | NITIN KUMAR | Meditab Software |
| 60 | 18EJCEC104 | PALAK YADAV | Accenture |
| 61 | 18EJCEC105 | PARTH SHARMA | Capgemini |
| 62 | 18EJCEC106 | PIYUSH JAIN | Naggaro (Off-campus) |
| 63 | 18EJCEC107 | PRACHI SINHA | Accenture, TCS, Wipro |
| 64 | 18EJCEC108 | PRADHUMN SINGH PARIHAR | planetspark, wipro |
| 65 | 18EJCEC111 | PRATEEK GAUTAM | Infosys |
| 66 | 18EJCEC112 | PRATIBHA BOTHRA | Capgemini, Wipro |
| 67 | 18EJCEC114 | PRIYA SINGH | Flit Webs |
| 68 | 18EJCEC115 | PRIYANSHI AGARWAL | Accenture |
| 69 | 18EJCEC117 | PURU SONI | UpFlairs Pvt. LTD. |
| 70 | 18EJCEC120 | RASHI GUPTA | Metacube |
| 71 | 18EJCEC121 | RAVI SAIN | Espoir / Deposite 27k first |
| 72 | 18EJCEC122 | RISHIT MANGAL | Appcino, wipro |
| 73 | 18EJCEC123 | RITIKA SHARMA | LTI |
| 74 | 18EJCEC128 | SAGAR GURNANI | Espoir |
| 75 | 18EJCEC129 | SAKSHI NATANI | Wipro |
| 76 | 18EJCEC130 | SAKSHI SINGH | Espoir |
| 77 | 18EJCEC131 | SALONI GANGWAL | Wipro, Coforge |
| 78 | 18EJCEC132 | SALONI VYAS | Celebal technologies, Wipro , TCS |
| 79 | 18EJCEC133 | SAMYAK JAIN | Thrilophilia |
| 80 | 18EJCEC134 | SANKALP NEGI | Wipro, TCS |
| 81 | 18EJCEC135 | SARTHAK AGRAWAL | ZS ASSOCIATES, LTI |
| 82 | 18EJCEC136 | SATVIK JAIN | Accenture, Wipro, TCS |
| 83 | 18EJCEC138 | SAURABH JAIN | Cloud Analogy |
| 84 | 18EJCEC139 | SEEMA JOSHI | Appacino |
| 85 | 18EJCEC140 | SHAILVI | Accenture |
| 86 | 18EJCEC142 | SHIKHA JAIN | LTI |
| 87 | 18EJCEC143 | SHIVAM GUPTA | Metacube |
| 88 | 18EJCEC144 | SHIVGAUTAM AGRAWAL | Capgemini |
| 89 | 18EJCEC145 | SHREY BHARGAVA | ZS Associates |
| 90 | 18EJCEC146 | SHREYA SHARMA | Accenture |
| 91 | 18EJCEC148 | SHUBH KOHLI | Yudiz solutions pvt ltd |

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|-----|------------|--------------------|-------------------------------|
| 92 | 18EJCEC151 | SHUBHAM SRIVASTAVA | Meditab |
| 93 | 18EJCEC152 | SIDDHARTH JAIN | Wipro |
| 94 | 18EJCEC153 | SRASHTI GUPTA | Wipro |
| 95 | 18EJCEC154 | STUTI JAIN | Traction On Demand, TCS |
| 96 | 18EJCEC155 | SULEKHA GUPTA | Wipro, coforge |
| 97 | 18EJCEC156 | SUMIT KUMAR | Meditab |
| 98 | 18EJCEC158 | SUMIT SANGHI | Cloud Analogy |
| 99 | 18EJCEC160 | SWASTIK AMERA | Planet Spark |
| 100 | 18EJCEC164 | VANSHIKA BORDIA | Capgemini,wipro |
| 101 | 18EJCEC168 | VINIT KHANDAL | SquareYard, TCS |
| 102 | 18EJCEC171 | YASH BENIWAL | Appcino Technologies, Coforge |
| 103 | 18EJCEC174 | YOJANA JAIMINI | Accenture,Wipro |

4.6. Professional Activities (20)

4.6.1 Professional societies/chapters and organizing engineering events (5)

(The Department shall provide relevant details)

Following events have been conducted under the societies Electronica , Xananoids and Abhyudaya

Table No.4.6.1.1 events conducted under the societies Electronica, xananoids and Abhudaya in CAY 2021-22)

| S. No. | Organized Event under society | Organized Period | Level of Event | Event Outcome |
|--------|---|----------------------|----------------|--|
| 1 | Formula Zero (A robot race) | 15-09-21 | National | A robotic race for finding most flexible and strong robot that can cross hurdles of path in minimum time. |
| 2 | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 05-10-21 to 06-10-21 | State | The workshop provides a chance to students to get a hands on experience on latest trending embedded system hardware and different types of sensors. |
| 3 | Robo Soccer (A robot match) | 18-10-2021 | National | It is a competitive event in which bots of two teams compete with each other to score highest no of goals. It encourages application of creative thoughts in students. |
| 4 | Robo Sumo War (A robot fight). | 22-11-2021 | National | In this exclusive event, teams came with their bots and strategies to knockdown the competing team out of the arena. |
| 5 | One Day hardware Project Exhibition on Embedded System & Its Application. | 03-12-2021 | National | Many projects like an autonomous robot were made, Bluetooth controlled a robot through PC and Android mobile. Students enjoyed and learnt a lot. |

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|----|---|--------------------------|---------------|--|
| 6 | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 02-02-2022 to 03-02-2022 | National | This seminar gave important knowledge and necessity of learning these technologies like artificial intelligence and cyber security for students to them eligible to work with companies. |
| 7 | A one day Seminar on "Career Guidance & Future Opportunities After Engineering" | 24-02-2022 | National | This seminar was aimed to remove confusions among young students regarding their career. It also reveals the various kinds of career opportunity after engineering. |
| 8 | Renovator | 28-02-2022 | National | This technical event is related to core of engineering. It emphasises on basic circuits of engineering. It improves innovation and creativity among students. |
| 9 | One Day Workshop on "Learn to code, Design the future" | 03-03-2022 | National | As Coding technique has become important for all of young graduates, so this workshop was planned to teach and use coding from application point of view. |
| 10 | Add-on course on "Machine Learning and Data Science using Python" | 5 -09-2021- 10-10- 2021) | National | The hands on training using an industry standard tool will help the participant to learn the concepts of machine learning and data science. |
| 11 | Add-on course on "Embedded System" | 11-10-2021 – 20-11-2021 | National | This Add on course helps students to apply and concepts of embedded system. |
| 12 | Add-on course on "Artificial Intelligence" | 8 -01-2022 to 15-02-2022 | National | This Add on course enable students to learn the basic concepts of artificial intelligence. |
| 13 | 2nd International Conference on Advances in Materials Science, Communication and Microelectronics (ICAMCM-2022) | 17-18 June 2022 | International | A vision to address the various issues to promote the creation of intelligent solutions in the field of electronics and electrical engineering. |
| 14 | National Conference on Recent Advancements in Communication, Optical, Nanotechnology | 7-8 June 2022 | National | In RACON-2022 students and research scholars were made aware about the recent trends in the field of optical, communication and nanotechnology. |

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| | (RACON 2022) is being organized at the Department of ECE, JECRC Jaipur, India | | | |
|--|---|--|--|--|

4.6.2. Publication of technical magazines, newsletters, etc. (5)

(The Department shall list the publications mentioned earlier along with the names of the editors, publishers, etc.)

Table 4.6.2.1: List of Publication of Newsletters

| S. No. | Academic Year | Name of The Newsletter | Month and Year of Publication | Name of editors | Name of Publishers |
|--------|---------------|------------------------|-------------------------------|---|--------------------|
| 1 | 2021-22 | Ujjwalam | Apr-Jun 2022 | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 2 | 2021-22 | Ujjwalam | Jan-Mar 2022 | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 3 | 2021-22 | Ujjwalam | Jul-Sep 2021 | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 4 | 2021-22 | Ujjwalam | Oct- Dec 2021 | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 5 | 2021-22 | Ujjwalam | January-March (2021) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 6 | 2021-22 | Ujjwalam | April-June (2021) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 7 | 2021-22 | Ujjwalam | July - September (2020) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |

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|----|---------|----------|-------------------------|---|----------------|
| 8 | 2021-22 | Ujjwalam | October-December (2020) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 9 | 2021-22 | Ujjwalam | January-June (2020) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |
| 10 | 2021-22 | Ujjwalam | August-December (2019) | Chief Editor: Dr. Parul Tyagi (Asst. Professor, ECE) (Student Editors) Ansh Agarwal, Aishwarya Lodha, Aditi Malhotra | ECE Department |

4.6.3 Participation in inter-institute events by students of the program of study (10)

(The Department shall provide a table indicating those publications, which received awards in the events/conferences organized by other institutes.)

Table 4.6.3.1: Participation in Inter-Institute Events by Students in CAY (2021-22)

| S.N. | Name of students | Event | Date | Organized by | Event outcomes |
|------|-------------------|--|-------------|--------------------|-----------------------|
| 1 | Aditya Raj | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | 1 st prize |
| 2 | Vaishnavi Chauhan | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | 2 nd prize |
| 3 | Raghav Tiwari | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | 3 rd prize |
| 4 | Kalash Kshetija | workshop on "Smart Instrumentation: Advancing Skill | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |

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|----|---------------------|--|-------------|--------------------|---------------|
| | | Development to the Next Level" | | | |
| 5 | Kishan Gopal Jetwal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 6 | Sourabh Mandal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 7 | Nishant Kumar | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 8 | Rajnandini Soni | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 9 | Satyam Kumar Thakur | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 10 | Ayushi Agarwal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 11 | Priyanshi Agrawal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |

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|----|--------------------|--|-------------|--------------------|---------------|
| 12 | Archita Khandelwal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 13 | Saket Sharma | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 14 | Anjali | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 15 | Arya Raj | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 16 | Jyoti Soni | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 17 | Mohan Lal | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 18 | Neeraj Borana | workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |
| 19 | Sneha Jain | workshop on "Smart Instrumentation: | 13 Nov 2021 | IETE, Jaipur, Raj. | Participation |

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|----|-------------------|--|--------------|-------------------------------|-------------------|
| | | Advancing Skill Development to the Next Level" | | | |
| 20 | Pratyush Amrit | RFID based security system | 15 Sept 2021 | R & D club VGU and VIT Campus | Consolation prize |
| 21 | Dolly Mehta | RFID based security system | 15 Sept 2021 | R & D club VGU and VIT Campus | Consolation prize |
| 22 | Harkishan S Walia | Temperature Detector for Entrance During Covid | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 23 | Lakshya Jhalani | Temperature Detector for Entrance During Covid | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 24 | Rajnandini soni | Implementation of Solar Tracker Using Arduino with Servo Motor | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 25 | Ayushi Agarwal | Implementation of Solar Tracker Using Arduino with Servo Motor | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 26 | Vaishnavi Chauhan | LPG Gas Detector Using GSM | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 27 | Siddharth Sharma | LPG Gas Detector Using GSM | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 28 | Neha Jain | Accident Detection & Reporting System Using GPS | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 29 | Harshita Sharma | Accident Detection & Reporting System Using GPS | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 30 | Kunal Dadheech | Vehicle Tracking Alcohol Detector | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |
| 31 | Indrayash vijay | Vehicle Tracking Alcohol Detector | 15 Sept 2021 | R & D club VGU and VIT Campus | Participation |

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Table 4.6.3.2: Publication in Inter-Institute conferences and Events by Students in CAY (2021-22)

| <i>S.N o.</i> | Name of students | Event | <i>Title</i> |
|-------------------|------------------|----------|---|
| 1 | Anjali | I2CT2022 | <i>Circular Slotted crostrip Patch antenna for Wireless Application</i> |
| 2 | Anadi Vatsya | I2CT2022 | |
| 3 | Anushree Rawat | I2CT2022 | <i>Circular Slotted crostrip Patch antenna for Wireless Application</i> |
| 4 | Prachi Sinha | I2CT2022 | Candy Shape Microstrip Patch Antenna for Wireless Applications |
| 5 | Priya Singh | I2CT2022 | Candy Shape Microstrip Patch Antenna for Wireless Applications |
| 6 | Pranjal Porwal | I2CT2022 | |

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| CRITERION 5 | Faculty Information and Contributions | 200 |
|--------------------|--|------------|

Table 5.1: Faculty Information (2021-22)

| S. No | Name | Pan No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated (Y/N) | Nature of Association (Regular/Contract/Adjunct) | If contractual mention Full time or Part time | Date of Leaving (in case Currently Associated is "No") |
|-------|-------------------|------------|---------------|------------------------|---------------------|-----------------|---|----------------------------|--|---|--|
| 1. | Dr. Sandeep Vyas | AFXPV5199R | PhD | Optical Communication | Professor | 19-Jul-17 | Dec. 2020 | Y | Regular | | NO |
| 2. | Dr. S.K. Singh | BOUPS5721K | PhD | Machine Learning | Professor | 2-Jan-17 | 2-Jan-17 | Y | Regular | | NO |
| 3. | Dr. Shruti Kalra | ANQPK5955P | PhD | Optical Communication | Professor | 19-Aug-03 | Dec. 2020 | Y | Regular | | NO |
| 4. | Dr. Vinita Mathur | AKHPM3052H | PhD | Microwave | Associate Professor | 28-Sep-05 | Dec. 2017 | Y | Regular | | NO |
| 5. | Dr. Parul Tyagi | AEVPT9930N | PhD | Wireless Network | Associate Professor | 16-Feb-09 | Dec. 2018 | Y | Regular | | NO |
| 6. | Dr. Girraj Sharma | CUGPS6564P | PhD | Wireless Network | Associate Professor | 18-Dec-19 | 18-Dec-19 | Y | Regular | | NO |



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|-----|-----------------------------|------------|--------|----------------------------|---------------------|------------|------------|---|---------|--|----|
| 7. | Dr. Jaiverdhan | BDYPJ1696M | PhD | Microwave, Antenna | Associate Professor | 8-Jan-20 | 08-01-2021 | Y | Regular | | NO |
| 8. | Dr. Shyam Sunder Manakta la | AGYPM8906B | PhD | Nano Photonics | Associate Professor | 25-Nov-04 | 01-02-2021 | Y | Regular | | NO |
| 9. | Dr. Ajay Kumar Singh Yadav | AIDPY2449L | PhD | RF, Microwave and Antennas | Associate Professor | 01-04-2021 | 01-04-2021 | Y | Regular | | No |
| 10. | Mr. Naresh Kumar | ALGPN5796H | M.Tech | Digital Communication | Assistant Professor | 22-Jul-13 | | Y | Regular | | NO |
| 11. | Mr. Ashutosh Sharma | BHVPS3926E | M.Tech | Wireless Network | Associate Professor | 16-Jul-14 | | Y | Regular | | NO |
| 12. | Mr. Ankur Gangwar | BFDPG0660P | M.Tech | Digital Communication | Assistant Professor | 17-Jul-14 | | N | Regular | | NO |
| 13. | Mr. Bhoopes h Kumar Kumawat | BAXPK5296E | M.Tech | Wireless Communication | Assistant Professor | 1-Jul-15 | | Y | Regular | | NO |
| 14. | Mr. Lokesh Kumar Sharma | AXHPS2584H | M.Tech | Digital Communication | Associate Professor | 9-Jul-15 | | Y | Regular | | NO |



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|-----|----------------------------|----------------|--------|-----------------------|---------------------|-----------|--|---|---------|--|----|
| 15. | Mr. Honey Agarwal | AKEPA058 6H | M.Tech | Digital Communication | Assistant Professor | 21-Jul-11 | | N | Regular | | NO |
| 16. | Mr. Vikas Sharma | CQFPS885 9A | M.Tech | Optical Communication | Assistant Professor | 20-Feb-10 | | Y | Regular | | NO |
| 17. | Ms. Ritu Vyas | AEKPV485 9C | M.Tech | Digital Communication | Assistant Professor | 16-Aug-10 | | Y | Regular | | NO |
| 18. | Mr. Rakesh Kumar Kardam | AMDPK49 98A | M.Tech | Microwave | Assistant Professor | 1-Mar-14 | | Y | Regular | | NO |
| 19. | Mr. Raj Kumar Jain | ANSPJ5809 M | M.tech | Digital Communication | Associate Professor | 1-Aug-12 | | Y | Regular | | NO |
| 20. | Mr. Mangi Lal Meghwal | BKZPM483 5M | M.Tech | Microwave | Assistant Professor | 2-Aug-10 | | Y | Regular | | NO |
| 21. | Mr. Jitendra Sharma | CWXPS710 1P | M.Tech | Digital Communication | Assistant Professor | 1-May-12 | | Y | Regular | | NO |
| 22. | Mr. Ashish Kulshrestha | BMFPK179 3Q | M.Tech | Optical Communication | Associate Professor | 25-Apr-12 | | Y | Regular | | NO |
| 23. | Mrs. Deepmal a Kulshrestha | AXJPD814 9H | M.Tech | Optical Communication | Assistant Professor | 15-Jul-15 | | Y | Regular | | NO |



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|-----|------------------------|------------|---------|--|---------------------|-----------|--|---|---------|--|----|
| 24. | Mr. Deepak Shankhala | BXYPS2998K | M.Tech | Digital Communication | Assistant Professor | 22-Aug-16 | | Y | Regular | | NO |
| 25. | Ms. Yazusha Sharma | BRDPS2349B | M.Tech | Optical Communication Optoelectronics | Assistant Professor | 17-Jul-17 | | Y | Regular | | NO |
| 26. | Ms. Ritambhara | BTCPR2037J | M.Tech | Microelectronics | Assistant Professor | 2-Aug-17 | | Y | Regular | | NO |
| 27. | Mr. Jai Prakash Mishra | AWCPM2988B | M.Tech | Embedded System | Assistant Professor | 17-Dec-19 | | Y | Regular | | NO |
| 28. | Ms. Mamta Rani | BHMPM5509E | M.Tech | Optical Communication | Assistant Professor | 18-Dec-19 | | Y | Regular | | NO |
| 29. | Ms. Nishi Agarwal | AYSPN9016F | M.Tech | Communication | Assistant Professor | 6-Jan-20 | | Y | Regular | | NO |
| 30. | Ms. Anju Rajput | AXHPR2031G | M.Tech | Wireless Communication | Assistant Professor | 11-Jan-20 | | Y | Regular | | NO |
| 31. | Ms. Tripti Dua | BLGPD6639E | M.Tech | Optical Communication | Assistant Professor | 11-Jan-20 | | Y | Regular | | NO |
| 32. | Mr. Devendra Sharma | FMXPS2695B | M. Tech | Digital Communication | Assistant Professor | 25-Apr-12 | | Y | Regular | | NO |
| 33. | Mr. Ashish Sharma | DOBPS4622L | M.Tech | Digital Signal Processing, Clustering | Assistant Professor | 18-Jul-16 | | Y | Regular | | NO |



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|-----|--------------------------|----------------|--------|---|---------------------|------------|--|---|---------|--|----|
| 34. | Ms. Bhawna Kalra | DOSPB362 5H | M.Tech | Microwave and Antennas | Assistant Professor | 01-04-2021 | | Y | Regular | | No |
| 35. | Ms. Vipra Bohara | BOGPB688 3K | M.Tech | Optical Fiber and Digital Communication | Assistant Professor | 01-04-2021 | | Y | Regular | | No |
| 36. | Mrs. Sameeksha Chaudhary | BEPPC896 3J | M.Tech | Optical Fiber and Antennas | Assistant Professor | 01-04-2021 | | Y | Regular | | No |
| 37. | Mr. Sudarshan Jain | AQLPJ400 2A | M.Tech | Optical Fiber and Photonics | Assistant Professor | 01-04-2021 | | Y | Regular | | No |



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5.1 Student-Faculty Ratio (SFR) 10/ (20)

Student Faculty Ratio (No of Faculty as per the sanctioned intake):-

(To be calculated at Department Level)

No. of UG Programs in the Department (n): 01

No. of Students in UG 2nd Year= **u1**

No. of Students in UG 3rd Year= **u2**

No. of Students in UG 4th Year= **u3**

No. of Students in PG 1st Year= **p1**

No. of Students in PG 2nd Year= **p2**

No. of Students = Sanctioned Intake + Actual Admitted lateral entry students

(The above data to be provided considering all the UG and PG programs of the department)

S=Number of Students in the Department = UG1 + UG2 +.. +UGn + PG1 + ...PGm

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Table: 5.1 Student-Faculty Ratio (SFR)

| Year | CAY (2021-22) |
|--|--------------------------|
| u1 | 181 |
| u2 | 230 |
| u3 | 262 |
| Total No. of Students in the Department (S) | 573 |
| No. of Faculty in the Department (F) | F=37 |
| Student Faculty Ration (SFR) | SFR1=S1/F1= 15.48 |

Student Teacher Ratio (STR) = S / F=15.48



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Provide the information about the regular and contractual faculty as per the format mentioned below:

Table 5.1.1 Faculty Information

| | Total number of regular faculty in the department | Total number of contractual faculty in the department |
|-----------|---|---|
| (2021-22) | 37 | Nil |

5.2 Faculty Cadre Proportion (25)

The reference Faculty cadre proportion is 1 (F1):2(F2):6(F3)

F1: Number of Professors required=1/9 x Number of faculty required to comply with 15:1 student faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required=2/9 x Number of faculty required to comply with 15:1 student faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required=6/9 x Number of faculty required to comply with 15:1 student faculty ratio based on no. of students (N) as per 5.1

Table 5.2 Faculty Cadre Proportion

| Year | Professors | | Associate Professors | | Assistant Professors | | |
|-----------------|----------------|-----------|----------------------|-----------|----------------------|-----------|--|
| | Required F1 | Available | Required F2 | Available | Required F3 | Available | |
| 2021-22 | 4 | 3 | 8 | 6 | 24 | 28 | |
| Average Numbers | RF1=4 | AF1=2.33 | RF2=8 | AF2=6.33 | RF3=24 | AF3=31.66 | |
| | | | | | | | |

$$\text{Cadre Ratio Marks} = \left[\left[\frac{AF1}{RF1} \right] + \left[\frac{AF2 \times 0.6}{RF2} \right] + \left[\frac{AF3 \times 0.4}{RF3} \right] \right] \times 12.5$$



- If $AF1=AF2=0$ then zero marks
- Maximum marks to be limited if it exceeds 25

5.3 Faculty Qualification 12/ (25)

$FQ=2.5 \times [(10X+6Y)/F]$ where X is no. of regular faculty with Ph.D., Y is no. of regular faculty with M.Tech. , F is no of regular faculty required to comply 1:20 Faculty student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

Table: 5.3 Faculty Qualifications

| Year | X | Y | F | $FQ=2.5 \times [(10 X+6Y)/F]$ |
|---------|---|----|----|-------------------------------|
| 2021-22 | 9 | 28 | 37 | 20.13 |

5.4 Faculty Retention (25)

| Item | Marks |
|---|-------|
| $\geq 90\%$ of required Faculty members retained during the period of assessment keeping CAYm3 as base year | 25 |
| $\geq 75\%$ of required Faculty members retained during the period of assessment keeping CAYm3 as base year | 20 |
| $\geq 60\%$ of required Faculty members retained during the period of assessment keeping CAYm3 as base year | 15 |
| $\geq 50\%$ of required Faculty members retained during the period of assessment keeping CAYm3 as base year | 10 |
| $< 50\%$ of required Faculty members retained during the period of assessment keeping CAYm3 as base year | 5 |

Table: 5.4 Faculty Retention

| Description | 2021-22 |
|--------------------------------|---------|
| No. of regular faculty members | 37 |

Total No. of Faculty in 2021-22 = 37



No of Faculty Retained since 2018-19 =

% of retained Faculty =

Assessment Marks:

5.5 Innovations by the Faculty in Teaching and Learning (20)

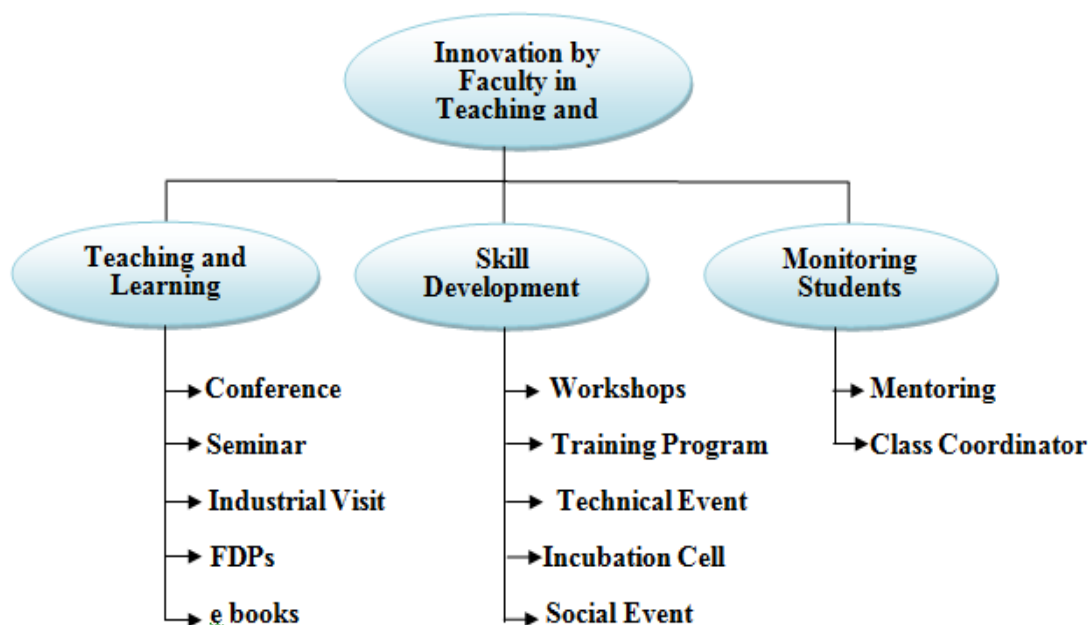


Figure 5.5. Flow chart of Innovations by the Faculty in Teaching and Learning

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

- A Faculty scores maximum five points for participation
- Participation in 2 to 5 days Faculty development program: 3 Points
- Participation >5 days Faculty development program: 5 points

| S. No. | Name of Faculty | Title of the program | Duration (from – to) (DD-MM-YYYY) |
|--------|-------------------|---|--------------------------------------|
| 1. | Dr. Sandeep Vyas | Recent Trends in Robotics and Automation | 05/01/2022 to 11/01/2022 |
| 2. | Dr. Vinita Mathur | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |

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|----|---------------------------|--|--------------------------|
| | | Coursera : Use Canva to Create Social Media Visuals for Business | June 6, 2022 |
| | | Inculcating Universal Human Values in Technical Education organized by AICTE | 7th - 11th Feb 2022 |
| | | Online Orientation Training Programme for Mentors organized by NITTR | 26th to 30th July 2021 |
| 3. | Dr. Parul Tyagi | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| 4. | Dr. Giriraj Sharma | Application of Artificial Intelligence on VLSI and Communication Technology (AAIVCT-2022) | 07/03/2022 to 11/03/2022 |
| | | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | | Orientation training program for mentors | 26 -30 july 2021 |
| | | "Challenges in adapting Machine Learning towards 5G/6G Communications | 09/08/2021 to 13/08/2021 |
| | | Machine Learning and Computer Vision | 2021-6-21 to 2021-6-25 |
| | | Internet of Things in 5G Wireless Communication | 06/09/2021 to 10/09/2021 |
| 5. | Dr. Shyamsundar Manaktala | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| 6. | Dr. Jaiverdhan | Online Faculty Development Programme on Advanced Optimization Techniques and hands-on with MATLAB/SCILAB | 6-17th September 2021. |
| | | ATAL Academy Online Elementary FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | | AICTE Orientation training program for mentors | 26/07/2021 -30/07/2021 |
| 7. | Mr. Vikas Sharma | Recent Advances in Nanoscience and Nanotechnology | 17/01/2022-21/01/2022 |
| | | Advanced sensor technology for efficient Biomedical and Energy management in smart cities | 03/01/2022-07/01/2022 |
| | | Recent Trends of emerging research advances in design aspect and innovative modeling techniques with miniaturization for electronic devices and circuits | 24/01/2022-28/01/2022 |
| | | Robotics and Artificial Intelligence | 07/02/2022-11/02/2022 |
| 8. | Dr. Ajay Yadav | Advanced sensor technology for efficient Biomedical and Energy management in smart cities | 03/01/2022-07/01/2022 |
| | | Wearable Device | |
| | | Emerging tools and techniques in VLSI, MEME and MOEMS (ETTVMM-22) | |

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|-----|---------------------------|---|-----------------------------|
| | | AICTE Orientation training program for mentors | |
| 9. | Ms. Ritu Vyas | Advanced sensor technology for efficient Biomedical and Energy management in smart cities | 03/01/2022-07/01/2022 |
| | | Emerging tools and techniques in VLSI, MEME and MOEMS (ETTVMM-22) | 25/1/22-29/1/22 |
| | | Artificial Intelligence for IOT services in cloud | 28/2/22-4/3/22 |
| 10. | Rakesh Kardam | NBA Accreditation through outcome based education | 21/02/2022 to 25/02/2022 |
| | | Recent Trends in Computing | 01/02/22 to 05/02/22 |
| 11. | Mr. Raj Kumar Jain | Advanced sensor technology for efficient Biomedical and Energy management in smart cities | 03/01/2022-07/01/2022 |
| | | Recent Advances in Nanoscience and Nanotechnology | 17/01/2022-21/01/2022 |
| | | Control system and sensor technology | 28/02/2022-04/02/2022 |
| | | ONLINE FDP on waste | 11/01/2022-15/01/2022 |
| 12. | Mr. Mangilal Meghwal | Character Building Through Moral values and Ethics | 5/04/21 to 10/04/21 |
| 13. | Mr. Jitendra Sharma | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| 14. | Mr. Ashish Kulshrestha | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | | Recent Advances In Nanoscience And Nanotechnology | 17/01/2022 to 21/01/2022 |
| 15. | Mrs. Deepmala Kulshreshth | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | | Recent Advances In Nanoscience And Nanotechnology | 17/01/2022 to 21/01/2022 |
| | | Creative Plantation | 28/03/22 to 01/04/2022 |
| 16. | Mr. Deepak Shankhala | "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | 03/01/2022 to 07/01/2022 |
| 17. | Ms. Nishi Agarwal | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03.01.22 to 07.01.22 |
| | | NBA Accreditation Through Outcome based Education | 07/03/2022 to 11/03/2022 |
| 18. | Mr. Devendra Sharma | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03.01.22 to 07.01.22 |
| 19. | Mr. Ashish Sharma | Inculcating Universal Human Values in Technical Education | 9/08/2021 to 13 August 2021 |
| | | Advanced Optimization Techniques and hands-on with MATLAB/SCILAB | 6th to 17th September 2021 |
| 20. | Ms. Vipra Bohora | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03.01.22 to 07.01.22 |
| | | Artificial Intelligence for computer vision | 26/07/2021 to 30/07/2021 |



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|-----|--------------------|---|--------------------------|
| 21. | Mr. Sudarshan Jain | Advances in Solar Photovoltaic Emerging Materials and Technologies | 21/02/2022 to 25/02/2022 |
| | | NBA Accreditation Through Outcome based Education | 07/03/2022 to 11/03/2022 |
| | | Application of Artificial Intelligence on VLSI and Communication Technology (AAIVCT-2022) | 06/09/2021 to 10/09/2021 |
| 22. | Ms. Bhawana Karla | “Inculcating Universal Human Values in Technical Education” | |
| 23. | Yazusha Sharma | Advances in Solar Photovoltaic Emerging Materials and Technologies | 21/02/2022 to 25/02/2022 |
| | | Emerging tools & technology in VLSI, MEMS & MOEMS | 25/1/22-29/1/22 |
| | | Creative Plantation | 28/03/22 to 01/04/2022 |
| 24. | Anju Rajput | Writing and Publishing of Quality Research Articles and Ethics of Research | 21/02/2022 to 25/02/2022 |
| | | System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA | 19 - 30 April, 2021 |
| | | NBA Accreditation Through Outcome based Education. from | 21/02/2022 to 25/02/2022 |
| 25. | Jai Prakash Mishra | Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | 03/01/2022 to 07/01/2022 |
| | | Computational Intelligence in Control, Power and Instrumentation | 31st Jan - 04th Feb 2022 |

Number of Seminars/conferences/workshops conducted by the institution during the year 2021-22

| S.No | Session | Name of the workshop/ seminar/Conferences | Number of Participants | Date (From – To) |
|------|---------|--|------------------------|---------------------|
| 1 | 2021-22 | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 164 | 05-06, October 2021 |
| 2 | 2021-22 | Project Exhibition on Embedded System & Its Application | 130 (34 projects) | 3 December 2021 |
| 3 | 2021-22 | One day Seminar on "Career Guidance & Future Opportunities After Engineering" | 68 | 24-02-2022 |
| 4 | 2021-22 | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 123 | 2-3 February 2022 |
| 5 | 2021-22 | National Conference "RACON-22" | 210 | 7-8 June 2022 |
| 6 | 2021-22 | International Conferences " ICAMCM-22" | 98 | 17-18 June 2022 |



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|---|---------|--|-----|------------------|
| 7 | 2021-22 | ATAL sponsored 5-Days FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | 128 | 3-7 January 2022 |
| 8 | 2021-22 | One Day Workshop on "Learn to code, Design the future" | 116 | 3 March 2022 |

| Name of the Faculty | Max. 5 per Faculty | | |
|--|--------------------|-----------|------------|
| | CAY | CAYm1 | CAYm2 |
| Sum* | 51 | 33 | 127 |
| RF= Number of Faculty required to comply with 15:1 Student-Faculty ratio as per 5.1 | 44 | 44 | 44 |
| Assessment = 3 x (Sum/0.5RF) (Marks limited to 15) | 6.95 | 4.5 | 17.3 |
| Average assessment over three years (Marks limited to 15) = 9.5 | | | |

Institute marks: 9.5

5.7. Research and Development (30)

5.7.1 Academic Research (10)

Details of Ph.D Awarded

Table 5.7.1.1 Details of Faculty who got Ph.D. degree during the assessment year 2021-22:

| Name of Faculty | Guide Name | Year of Passing | Thesis Entitled | University |
|---------------------|--------------------|-----------------|--|------------------|
| Dr. S.S. Manaktala | Dr. K. M. Singh | 2021 | Performance Enhancement of Light Emitting Diode using Nanomaterials | JECRC University |
| Dr. Ashutosh Sharma | Dr. Lokesh Tharani | 2022 | Detection and Prevention of Collaborative Routing Attacks in manets with energy efficient enhanced multicasting technique. | RTU, Kota |

Table 5.7.1.2 Details of Faculty who are pursuing Ph.D.



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| Name of the Faculty | Ph.D Pursuing University | Year of Registrati on | Details of Guide | Area of Research work | Status of Work & No. of publications |
|-------------------------------|----------------------------|-----------------------|------------------------|--------------------------------------|--|
| Ms. Yazusha Sharma | RTU ,Kota | 2018 | Dr. Rukhsar Zafar | Optical Communicati on | Completed Within 1 year,6 publication |
| Mr. Ashish Sharma | MNIT, Jaipur | 2018 | Dr. S.J. Nanda | Clustering | Completed Within 6 month,4 publication |
| Ms. Ritu Vyas | JECRC University | 2021 | Dr. Dinesh Sethi | Antenna and wave propogation. | Completed Within 4 years |
| Ms. Nishi | Banasthali vidhyapeeth | 2021 | Dr. Ashish Kumar | Image Processing | Completed Within 4 year,1 publication |
| Mr. Bhoopesh | MNIT, Jaipur | 2016 | Prof. R.P. Yadav | Cognitive Radio | 2.5YEAR,1 Publication |
| Ms. Ritambhara | JECRC, University | 2015 | Dr.Avireni Srinivaslu | Nanotechnol ogy | Completed within 1 year, 4Publication |
| Ms. Mamta | Banasthali Vidhyapeeth. | 2021 | Dr. Ashish Sharma | Antenna | Complete with in 4 year,1 Publication |
| Ms. Bhawna Kalra | MNIT, Jaipur | 2019 | Prof. M.M. Sharma | Antenna | Completed with in 2 year |
| Ms. Shweeta Sharda | LNMIIT, Jaipur | 2019 | Dr. Joyeeta Singha | Comuter- vision and image processing | Thesis Submitted. |
| Mr. Jai Prakash Mishra | Manipal University, Jaipur | 2018 | Dr. Himanshu Choudhary | IOT & Embedded system | Completed within 1 year,4Publication |
| Mr. Sudarshan Jain | MNIT, Jaipur | 2018 | Prof. Vijay Janyani | Photo voltaic cell | Completed within 1 year. |

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Faculty Publications: Following table indicates the list of ECE department faculty publications during the 2021-22 year.

Table 5.7.1.3 Details of Publications

| S. No | Faculty Name | Month/Year of Publication | Title of Paper | Journal Name | National / International | ISSN/ ISBN | Volume / Issue | Source & Indexing |
|-------|----------------------------|---------------------------|--|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Dr. Ajay Kumar Singh Yadav | 2021,12 october 2021 | Design and Simulation of Compact MIMO Antenna for the 5G Communication in C-Band | International Conference On Emerging Electrical Energy, Electronics And Computing Technology 2021 | International | 289-295 | 792 | (SCOPUS Indexed) |
| 2 | Dr. Ajay Kumar Singh Yadav | 2021 | SAR Evaluation of Flexible UWB Antenna for Wearable Applications | International Conference on Emerging Electrical Energy, Electronics And Computing Technologies 2022 | International | | | SCOPUS Indexed |
| 3 | Dr. Jaiverdhan | 02 September 2021 | CPW-Fed Dual-Sense Cross-Shaped Broadband Circularly Polarized Antenna for Wireless and Satellite Application | Lecture Notes in Electrical Engineering book series (LNEE, volume 771) | International | 978-981-16-2818-4 | 771 | Indexed (Scopus) |
| 4 | Dr. Jaiverdhan | 02 September 2021 | Dispersion Engineered AsSe ₂ Based Chalcogenide Photonic Crystal Fiber for MIR Region Supercontinuum Generation | Lecture Notes in Electrical Engineering book series (LNEE, volume 771) | International | 978-981-16-2818-4 | 771 | Indexed (Scopus) |
| 5 | Dr. Ajay Kumar Singh Yadav | November 2021 | Quarter wavelength parasitic stub loaded polarization reconfigurable patch antenna | Electromagnetics | International | 0272-6344 | 41/6 | SCI |
| 6 | Vipra Bohra | 22 September 2021 | A Quick Evaluation on COVID-19: A Remarkable Situation to Public Fitness | <i>World Journal of Innovative Research</i> | International | 2454-8236 | 11/3 | |
| 7 | Vipra Bohra | 04 February 2022 | An Probing Covid-19 Data Analysis Across World | International Journal of New Technology and Research | International | 2454-4116 | 8/1 | |



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|----|---|----------------------|--|---|---------------|-----------|--------------------------------------|------------------------|
| 8 | Vipra Bohra | 1 February 2022 | A Review on Human Activity Recognition Techniques and Comparative Performance Analysis | <i>World Journal of Innovative Research</i> | International | 2454-8236 | 12/1 | |
| 9 | Dr. Parul Tyagi | 2022 | Cryptography-Based Efficient Secured Routing Algorithm For vehicular Ad Hoc Networks | Advance in data Computing, Communication and Security. Springer Nature Singapore | International | | | Scopus or UGC approved |
| 10 | Dr. Giriraj Sharma | 2021, October 2021 | Joint Optimization of Fusion rule Threshold and Transmission Power for Energy Efficient CSS in Cognitive Wireless Sensor Networks. | Wireless personal communications | International | | 1572-834x | SCI |
| 11 | Dr. Giriraj Sharma | 2021 | Effect of number of users and numbers of clusters using distributed cooperative spectrum sensing over Hoyt Fading channel. | Lecture notes in Electrical Engineering book series(LNEE, volume771) | International | 771 | 978-981-16-2818-4 | Scopus |
| 12 | Vipra Bohra | 2022 | A review on Human Activity Recognition Techniques and Comparative Performance Analysis. | World Journal of Innovative Research | International | 12 | 2454-8236 | Scopus |
| 13 | Ashish Sharma | 2021,14 October 2021 | A Model based on Fuzzy C-Means with Density Peak Clustering for Seismicity Analysis of Earthquake Prone Regions” | 10th International Conference on Soft Computing for Problem Solving - SocProS 2020 held in IIT Indore | International | | ISSN: 2194-5357 E-ISSN: 2194-5365 | Indexed (Scopus) |
| 14 | Ashish Sharma | 2021,9 August 2021 | A Binary NSGA-II Model for declustering seismicity of Turkey and Chile | IEEE Congress for Evolutionary Computation, Poland | International | | ISBN :978-1-7281-8393-0 | Indexed (Scopus) |
| 15 | Ritambhara , Yazusha Sharma, Sandeep Vyas | Feb 2021 | Low power Carbon nanotube field effect transistor based Voltage differential transconductance amplifier | Elsevier Materials Today | International | | | Scopus Indexed |

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|----|----------------|----------|---|--------------------------|---------------|--|----------------|
| 16 | Yazusha Sharma | Feb 2022 | Plasmonics based refractive index sensor based on square ring resonator | Elsevier Materials Today | International | | Scopus Indexed |
|----|----------------|----------|---|--------------------------|---------------|--|----------------|

5.7.2. Sponsored Research (5)

Table: 5.7.2 (Grant received by the Department)

| S. No. | Grant issued for | Grant Provided by | Amount | URL of related Details |
|--------|--|-------------------|----------------|---|
| 1. | Faculty Development Program on Recent trends in Circuit and Communication (RTCC-21) | TEQIP-III | 65000/- INR | https://jecrcfoundation.com/jf-data/Updated-SSR/Criteria-3/3.1.3/29.RTCC.pdf |
| 2. | ATAL FDP on Productivity Enhancement Through Meditation | AICTE-ATAL | 96000/- INR | https://jecrcfoundation.com/jf-data/Updated-SSR/Criteria-3/3.1.3/30.Productivity-Enhancement-Report.pdf |
| 3. | ATAL FDP on “Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | AICTE-ATAL | 96000/- INR | https://jecrcfoundation.com/jf-data/NBA/ECE/2022/ATAL-report.pdf |

Institute marks: 5

5.7.3. Development activities (10)

Patent Description and Details

| S. No. | Name of Faculty | Description of Patent | App No. |
|--------|------------------|--|--|
| 1. | Dr. Sandeep Vyas | Self- Cleaning and Germ- Killing Revolving Public Toilet | L-1031519/2021. Diary No.- 21651/2020-CO/L |
| | | Design of Machine Learning Classification Algorithms Using Image Processing for Detection of Vegetable Crops Disease | 202241012480 |
| | | An Artificial Intelligence Based IoT Enabled Drowsiness Detection System | 2021104783 |
| | | A System for Knowledge Representation Using Geometric | 202211021324 |



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|----|--|--|---|
| | | flexible Adaptable Templates by Using Machine Learning interfaces | |
| | | X-Ray Machine | Application Number: 358449-001, Journal No. 16/2022 |
| 2. | Ms. Ritambhara | Ensuring Nutritional value of food product from manufacture to consumer using wireless sensor network and block chain technology | 202141021547A |
| | | IOT Based remote patient monitoring system using wireless body area. | 202141060766A |
| 3. | Ms. Ritambhara, Ms. Yazusha Sharma, Dr.Ajay Yadav. | COVID-19 Patient healthcare monitoring system using IOT and wearable sensors. | 2022410037658 |
| 4. | Dr.Jaivardhan, Dr.Girraj Sharma | Real Time visual object detection for intelligent video surveillance using IOT. | 202141037721 |
| 5. | Dr. Vinita Mathur, Dr. Parul Tyagi | Automated Head Massage and Nourishment Device | IN202211021638 |

5.7.3.1 The Institution has several collaborations/linkages for Faculty exchange, Students exchange, Internship, Field trip, On-the- job training, research etc during the Session (2021-22)

| S.No | Title of the collaborative activity | Name of the collaborating agency with contact details | Name of the participant | Year of collaboration | Duration | Nature of the activity |
|------|--|--|---|-----------------------|----------|----------------------------------|
| 1 | Design of L-Shaped Strip Loaded Dual Band Hexagonal Shaped Circularly Polarized Monopole Antenna | 1) Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. 2) Dept. of Electronics and Communication Engineering, National Institute of Technology Sikkim, India | Dr. M. M. Sharma, Mr. Indra Bhooshan Sharma, Ms. Reshmi Dhara | 2021 | 2021-22 | Joint Research Paper Publication |
| 2 | A Hybrid Filter/Wrapper Machine Learning Model for Classification Cancer Dataset | Faculty of Information Technology, Duy Tan University, Vietnam | Dr. Anand Nayyar | 2022 | 2021-22 | Joint Research Paper Publication |



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| | | | | | | |
|---|--|---|---|--------------------|---------|----------------------------------|
| 3 | Dispersion Engineered AsSe ₂ Based Chalcogenide Photonic Crystal Fiber for MIR Region Supercontinuum Generation | 1) Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. 2) Faculty of Information Technology, Duy Tan University, Vietnam. 3) Dept. of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology Management and Gramothan, Jaipur, India. | Dr. Ghanshyam Singh, Dr. Anand Nayyar, Dr. Vinay Kanungo, Dr. Rukhsar Zafar | 2021 | 2021-22 | Joint Research Paper Publication |
| 4 | Design of machine learning classification algorithms using image processing for detection of vegetable crops disease | Dept. of Computer Science & Engineering, Guru Jambheshwar University of Science and Technology, Haryana, India | DR.YOGESH CHABA | 2022 | 2021-22 | Indian Patent |
| 5 | A system for knowledge representation using geometric flexible adaptable templates by using machine learning interfaces | Department of Computer Science, Mewar University, Chittorgarh, India | Dr. Chandikaditya Kumawt | 2022 | 2021-22 | Indian Patent |
| 6 | Joint Optimization of Fusion rule Threshold and Transmission Power for Energy Efficient CSS in Cognitive Wireless Sensor Networks. | Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. | Dr. Ritu Sharma, Associate Professor, MNIT, Jaipur | 2021, October 2021 | 2021-22 | Joint Research Paper Publication |

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|-----|--|--|--|------|---------|----------------------------------|
| 7 | Effect of number of users and numbers of clusters using distributed cooperative spectrum sensing over Hoyt Fading channel. | Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. | Ms. Yashashwini Sharma, MNIT, Jaipur | 2021 | 2021-22 | Joint Research Paper Publication |
| 8 | Real time visual object detection for intelligent video surveillance using iot | Department of Computer Science and Engineering, Saranathan college of Engineering, Trichy, Tamil Nadu , India-620012 | Dr.PL.RAJARAJESWARI | 2021 | 2021-22 | Indian Patent |
| 9 | Performance Analysis of cdt Solar Cell using Copper Telluride Back Surface Field for Efficiency Enhancement | 1)Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. 2)Centre for VLSI and Nanotechnology, VNIT, Nagpur | Prof. Vijay Janyani, Dr. Nikhil Deep Gupta- | 2021 | 2021-22 | Joint Research Paper Publication |
| 10 | Optical Studies of Cadmium Telluride based Solar Cell using Photonic Crystal as a back Reflector | 1)Dept. of Electronics and Communication Engineering, Malaviya National Institute of technology, Jaipur. 2)Centre for VLSI and Nanotechnology, VNIT, Nagpur | Prof. Vijay Janyani, Dr. Nikhil Deep Gupta | 2022 | 2021-22 | Joint Research Paper Publication |
| 11. | | Havells India Pvt. Ltd. | Mr. Ashish Sharma Mr. Bhoopesh Kumawat Ms. Ritambhra | 2022 | 2021-22 | Industrial Toure |

Table No: - 5.7.3.2 Student Development Activities Link

| | | | |
|---|---|---------------------|---|
| 1 | Students Development Activities Link | Add-On Project Link | https://jecrcfoundation.com/jf-data/NBA/ECE/2022/Criteria-7/2020-21%20Events/Addon%20Courses/AdOn_advance_embedded%20sys.pdf |
|---|---|---------------------|---|



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|---|-----------------------------------|--|---|
| 2 | Industrial Training | In house Industrial Training for 2 nd year students | https://jecrcfoundation.com/jf-data/NBA/ECE/2022/Criteria-2/INDUSTRIAL-TRAINING-DETAILS-2021.pdf |
| 3 | Webinars/Seminar/Workshops | Link for Webinars/Seminar | https://jecrcfoundation.com/jf-data/NBA/ECE/2022/revised_faculty_appraisal%2024.06.21%20%281%29.docx |

5.8 Faculty Performance Appraisal and Development System 30/ (30)

Table: 5.8.1 (Rule Books/ Forms)

| S. No. | Rule Book/Forms | URL of File/Form |
|--------|--|---|
| 1 | JECRC Policy-Steps towards Quality Standards | https://jecrcfoundation.com/jf-data/NBA/ECE/C-7/JECRCPolicy2018-2023.pdf |
| 2 | Handbook of Rules & Regulations | https://jecrcfoundation.com/jf-data/NBA/ECE/C-7/JECRCRULES-RAGULATION.pdf |
| 3 | Faculty Appraisal Form | https://jecrcfoundation.com/jf-data/NBA/ECE/2022/revised_faculty_appraisal%2024.06.21%20%281%29.docx |

5.9 Research laboratories

| S.NO | Name of Faculty | Research lab name | Faculty member/Student name |
|------|-------------------|----------------------|---|
| 1 | Mr. Ashish Sharma | Centre of Excellence | Developments of apps which comply with all social issues of India like agriculture, weather science, health, space science, education, employment, poverty etc. |



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|---|------------------|------------------------|--|
| 2 | Mr. Vikas Sharma | XENONIDS(Robotics Lab) | Product development in the area of Robotics, Embedded Systems and Mechatronics |
|---|------------------|------------------------|--|

1. Instructional materials

➤ Course file:

Each & every faculty prepare course wise lecture schedules, resource material and other related instruction material before commencement of semester and is added to moodle. The students can login and access the content through internet.

➤ PowerPoint Presentation:

Content wise instruction material is developed including PPT presentations, for all the courses prior to the commencement of each semester which is monitored by course coordinators.

➤ Hand Outs:

Where ever necessary, additional material and hand outs are prepared and the same is made available to students through Moodle.

➤ Laboratory manuals:

Laboratory manuals: are prepared and Laboratory instruction is given through Lab manuals at the beginning of each semester and demonstration classes are delivered for better understanding of concepts behind laboratory experiment.

➤ Working models/charts/monograms etc.

➤ Relevant Charts are displayed in all Laboratories so that realization becomes easy for the students.

➤ A project model competition titled “J-TechTrix” held every year for students to enhance their interpersonal and intrapersonal skills.

➤ The department has many models created by students and are been displayed in Laboratories. This prototype models helps the students to understand the working of basics and recent technologies in a better manner.

Consultancy (from Industry) (5/ (5): NIL



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| CRITERION 6 | Facilities and Technical Support | 80 |
|--------------------|---|-----------|

6. FACILITIES AND TECHNICAL SUPPORT (80)

6.1. Adequate and well-equipped laboratories, and technical manpower (30)

Table 6.1: Number of laboratories with technical manpower and equipment

| Sr.No. | Name of the Laboratory | No. of students per setup (Batch Size) | Name of the Important Equipment | Weekly Utilization Status | Technical Manpower Support | | |
|--------|-----------------------------------|--|--|---------------------------|-----------------------------|----------------|------------------------|
| | | | | | Name of the technical staff | Designation | Qualification |
| 1 | EDC LAB | 3 (20) | P-N junction diode apparatus Zener diode apparatus Transistor characteristics apparatus. Clipping & Clamping circuit apparatus. Half wave, Full wave bridge rectifier, Common collector transistor amplifier FET characteristics. Scientech 50Mhz digital storage, Digital function generator 2Mhz. Digital Function generator 2Mhz Two stage R-C coupled amplifier kit. | 24 | Mr. Amit Jain | Sr. Instructor | Diploma In Electronics |
| 2 | MEASUREMENT & INSTRUMENTATION LAB | 3 (20) | Wein's Bridge (Capacity), Anderson's Bridge, Maxwell Inductance Bridge, Wein's Bridge (frequency). Ultrasonic digital distance meter. RTD Trainer kit, Single Phase Energy Meter LCR-Q Bridge . Solar Educational Kit Digital Earth Tester | 24 | Mr. Sitaram Saini | Lab Technician | Polytechnic Diploma |
| 3 | ANALOG ELECTRONICS | 3 (20) | Push Pull Power Amplifier Kit, Voltmeter, Voltmeter, Two Stage R-C | 24 | Ms. Vaishali Yadav | Lab Technician | Diploma In |



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|---|-------------------------|--------|--|----|---------------------|----------------|----------------------------|
| | | | Coupled Amplifier, Voltage Regulator, Voltage Multiplier, Opamp Designer Trainer Kit, Bootstrap Sweep Generator, BJT Trainer Kit, Attenuator & Equalizers CRO, Dual Trace With Ct CRO, Dual Trace With Ct & FG, DECADE CAPACITANCE BOX, Decade Résistance Box, Decade Inductance Box, Digital Multimeter, Emitter Follower, Function Generator, Function Generator With Frequency Counter, FET Trainer Kit, Rectifier Trainer Kit, Oscillator Trainer Kit, Opamp Characteristics Trainer Kit, P-N Diode & Zener Diode Trainer Kit, Power Supply, | | | | Electronic s |
| 4 | DIGITAL ELECTRONICS LAB | 3 (20) | Sciencetech Digital Kit(5), Digital Trainer Kit(10) | 24 | Mr. Ramovtar Saini | Lab Technician | Diploma In Electronic s |
| 5 | ANALOG ELECTRONICS LAB | 3 (20) | Series Voltage Regulator, Shunt Voltage Regulator, Wein's Bridge Oscillator, FET Common Source Amp. Push Pull Amp. Phase Shift Oscillator, Hartley Colpitt Oscillator, UJT Characteristics, UJT Relaxation, MOSFET, CMOS IC, Digital Storage CRO, Function Generator(6), CRO(6) | 24 | Mr. babu Lal Sharma | Lab Technician | Diploma In Electronic s |

Department of Electronics & Communication Engineering

| | | | | | | | |
|---|---------------------------|--------|---|----|--------------------|----------------|------------------------|
| 6 | COMMUNICATION LAB 1ST | 3 (20) | Sampling & Reconstruction Trainer, Data Formatting & Carrier Modulation Transmitter, TDM Pulse Code Modulation Receiver, TDM Pulse Code Modulation Transmitter, Delta, Adaptive Modulation & Demodulation. PAM, PPM, PWM Mod. & Demodulation. Transmission Line Trainer , CRO, Digital Storage CRO 150 MHz, FM modulation & Demodulation, DSB/SSB AM Modulation .Tx, DSB/SSB AM Demodulation. Rx, Power Project Board, TDM PA Mod/Demodulator, Dual Power Supply, Data Formatting & carrier modulation / Receiver Trainer, function Generator | 24 | Mr. Seetaram Saini | Lab Technician | Diploma In Electronics |
| 7 | DIGITAL COMMUNICATION LAB | 3 (20) | PCM, DPCM, CVSD modulation & demodulation trainer, MSK modulation & demodulation Trainer Delta , adaptive delta ,sigma delta Mod. & Demodulation trainer, Cyclic code experimental setup, Block code encoder , Block code decoder ASK, FSK BPSK, DBPSK experimental Setup TDM-PAM trainer kit, Sampling & | 24 | Mr. Seetaram saini | Lab Technician | Diploma In Electronics |

Department of Electronics & Communication Engineering

| | | | | | | | |
|----|--|--------|--|----|----------------------|----------------|------------------------|
| | | | Reconstruction trainer, Data Formatting and Carrier modulation, Data formatting & carrier Demodulation, 4 channel TDM-PCM transmitter Receiver, QPSK, OQPSK, DQPSK modulation & demodulation trainer | | | | |
| 8 | MICROPROCESSOR LAB | 3 (20) | Microprocessor kit 8085(15) | 24 | Mr.Hemanth Vaishisth | Lab Technician | Diploma In Electronics |
| 9 | MICROWAVE LAB | 3 (20) | klystron power supply , Gunn power supply, Microwave test bench(klystron), Microwave test bench (Gunn diode), Spectrum analyzer, VSWR meter, Solid state klystron power supply, CRO 150 MHz, Microwave test bench(klystron), Microwave test bench (Gunn diode), Microwave test bench (s band) | 24 | Vaishali yadav | Lab Technician | Diploma In Electronics |
| 10 | ANTENNA AND WIRELESS COMMUNICATION LAB | 3 (20) | GPS Trainer Kit, Radar Trainer Kit, CRO dual channel, function generator, CDMA direct sequence spread, spectrum (DSSS) trainer kit, antenna trainer lab ATS40, antenna trainer ATS2000, satellite communication trainer kit, antenna digital RF TX ATS200IT, satellite communication trainer up link TX, satellite communication trainer down link RX, satellite | 24 | Mr.Babul sharma | Lab Technician | Diploma In Electronics |

Department of Electronics & Communication Engineering

| | | | | | | | |
|--|--|--|---|--|--|--|--|
| | | | communication trainer, Satellite transponder, fiber optic trainer, Fiber optic connectors kit display board, fiber optic cable sample kit display board, laser trainer model It2506, voice communication using DSSS | | | | |
|--|--|--|---|--|--|--|--|

Table 6.2.1: Utilizations of Lab Technician

Odd Semester

| Name of Lab | Se m | Venue | Number of batches | RTU load | Total | No. of lab technician available | Individual Load Per Technician |
|---|------|----------------|-------------------|----------|------------|---------------------------------|--------------------------------|
| Electronics Devices Lab | III | BF-14 | 12 | 2 | 24 | 10 | 28 |
| Digital System Design Lab | III | BS-04 | 12 | 2 | 24 | | |
| Signal Processing Lab | III | CP-14/15 | 12 | 2 | 24 | | |
| Computer Programming Lab-I | III | CP-15 /12 | 12 | 2 | 24 | | |
| Digital Electronics lab(ME) | III | DS-08 | 12 | 2 | 24 | | |
| RF Simulation Lab | V | CP-14 | 9 | 2 | 18 | | |
| Digital Signal Processing Lab | V | CP-12/15 | 9 | 2 | 18 | | |
| Microwave Lab | V | DS-09 | 9 | 2 | 18 | | |
| Mechatronics Lab | V | BG-06 | 9 | 2 | 18 | | |
| VLSI Design Lab | VII | D BLOCH Cp Lab | 11 | 4 | 44 | | |
| Advance communication lab (MATLAB Simulation) | VII | CP-12 | 11 | 2 | 22 | | |
| Optical Communication Lab | VII | BG-01 | 11 | 2 | 22 | | |
| Total load | | | | | 280 | | |



Table 6.2.2: Utilizations of Lab Technician

Even Semester

| Name of Lab | Sem | Venue | Number of batches | RT U load | Total | No. of lab technician available | Individual Load Per technician |
|---|------------|--------------|--------------------------|------------------|--------------|--|---------------------------------------|
| Analog and Digital Communication Lab | IV | BG-15 | 12 | 3 | 36 | 10 | 30 |
| Analog Circuits Lab | IV | BF-14 | 12 | 3 | 36 | | |
| Electronics Measurement & Instrumentation Lab | IV | BG-06 | 12 | 3 | 36 | | |
| Computer Network Lab | VI | CP-12 | 6 | 4 | 24 | | |
| Computer Network Lab | VI | CP--15 | 3 | 4 | 12 | | |
| Antenna and wave propagation Lab | VI | BG-01 | 9 | 2 | 18 | | |
| Electronics Design Lab | VI | BG-04 | 9 | 4 | 36 | | |
| Power Electronics Lab | VI | BS-15 | 9 | 2 | 18 | | |
| Internet of Things (IOT) Lab | VIII | CP-14 | 11 | 2 | 22 | | |
| Skill Development Lab | VIII | CP-15 | 11 | 2 | 22 | | |
| Project Lab | VIII | BG-01 | 11 | 3 | 33 | | |
| | | | Total Load | | 293 | | |

Individual Lab Instructor Data Sheet

JECRC, JAIPUR



Name of the Lab Instructor : AMIT JAIN

Present Designation : LAB INSTRUCTOR

Email Id : amitjain6879@gmail.com

Contact Details : 9314088836

I. Particulars of Educational Qualification: (only completed)

| Category | Name of the Degree | Specialization | Year of Passing | Name of the College | Name of the University |
|----------|--------------------|----------------|-----------------|------------------------------------|------------------------|
| UG | B.A | ARTS | 2006 | PVT. | RAJASTHAN UNIVERSITY |
| | | | | | |
| DIPLOMA | DIPLOMA | ELECTRONICS | 2000 | KHAITAN POLYTECHNIC COLLEGE JAIPUR | BTER JODHPUR [RAJ] |

II. Academic Experience : 16Y

III. Industrial Experience : NIL

IV. Awards/Achievements : NIL

VI. Research/Specialization : NIL

SAMPLE COPY OF TIME TABLE OF EDC LAB FOR 2021-2022



Jaipur Engineering College and Research Centre

Analog Circuit Lab (BF-14)

JECRC

| | 1 8:30 - 9:30 | 2 9:30 - 10:30 | 3 10:30 - 11:30 | 4 11:30 - 12:30 | 5 12:30 - 13:30 | 6 13:30 - 14:30 | 7 14:30 - 15:30 |
|----|------------------|-----------------------------|--------------------|--------------------|--------------------|-----------------------------|--------------------|
| Mo | A C Lab | 4 SEM-A Section Batch2 | | DVM | | | |
| Tu | A C Lab | 4 SEM-A Section Batch1 | | DVM | A C Lab | 4 Sem- B Section Batch 2 | |
| We | A C Lab | 4 Sem- C Section Batch 1 | | MR | | | |
| Th | A C Lab | 4 Sem- B Section Batch 1 | | MR | | | |
| Fr | A C Lab | 4 SEM-A Section Batch3 | | DVM | A C Lab | 4 Sem- C Section Batch 3 | |
| Sa | A C Lab | 4 Sem- B Section Batch 3 | | MR | A C Lab | 4 Sem- C Section Batch 2 | |

Timetable generated: 12-05-2022

a5c 7metables

Teachers

| | | | |
|-----|-------------------|-----|----------------|
| DVM | Dr. Vinita Mathur | RKJ | Raj Kumar Jain |
| MR | Mamta Rani | | |

Subjects

A C Lab Analog Circuits Lab (4EC4-22)

Time Table Co-Ordinator

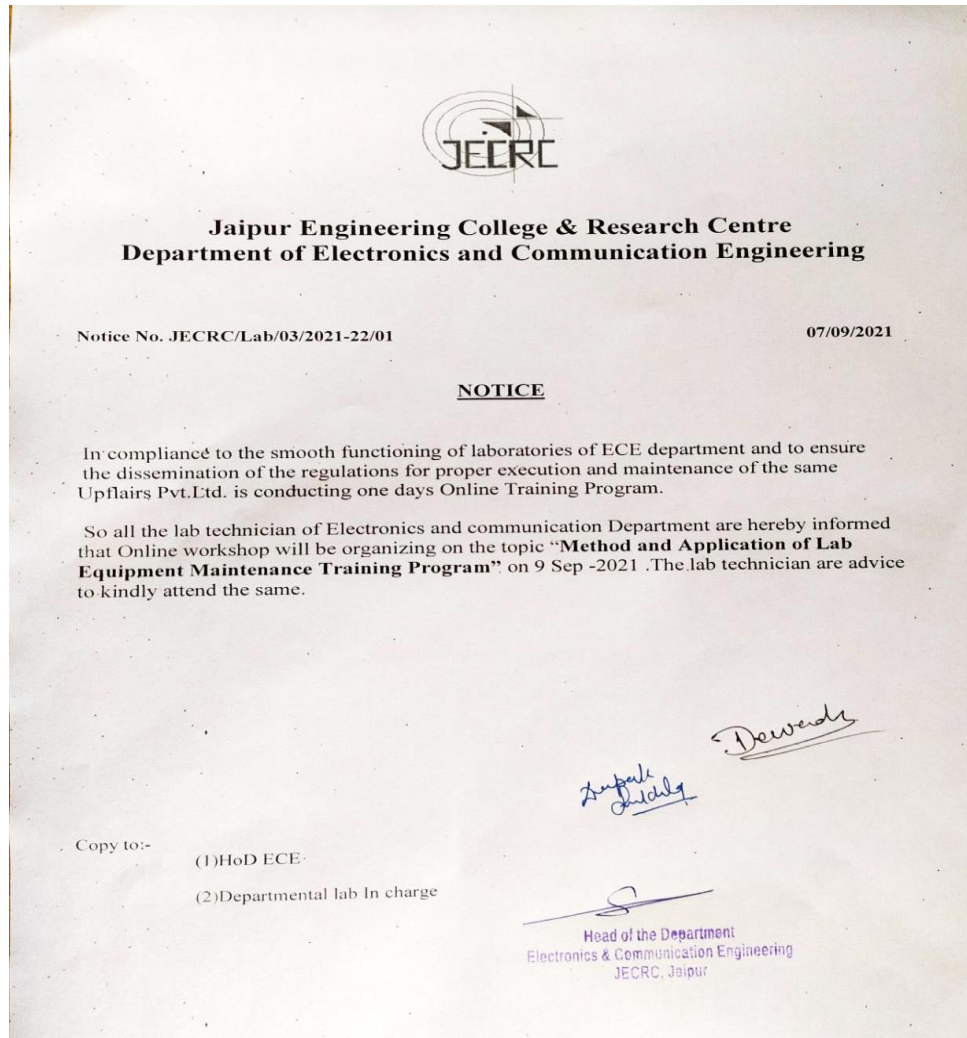
HOD-ECE



Table 6.3: Workshop and Training Program for Technical Skill Enhancement of Technical Staff

| S. No. | Date /Duration | Activity organized | Name of workshop/Resource person/Industry |
|---------------|------------------------|---------------------------|--|
| 1 | 23 March 2021 1 Day | Online Training | Organised one day online training on Laboratory Equipment maintenance training By UPflairs Pvt. Ltd. |
| 2 | 9 Sept. 2021 1 Day | Online training | Organised one day onloine training on Method and application of lab equipment maintenance training program by UPflairs Pvt. Ltd. |

Sample Notice for Technical Training Program Session 2021-22



6.2. Additional facilities created for improving the quality of learning experience in laboratories (25)

Table 6.4 Additional Facilities

| Sr. No. | Facility Name | Details | Reason(s) for creating facility | Utilization | Areas in which students' are expected to have enhanced learning | Relevance to POs/PSOs |
|---------|--------------------------|--------------------------------------|------------------------------------|----------------------------------|---|--------------------------|
| 1. | Establish "Robotics Lab" | Lab containing electronic, pneumatic | To make students ready to industry | 4 hrs per day (24 hrs. per week) | Students developed, robotics based, | PO1, PO3, PO4, PO5, PO9, |

| | | | | | | |
|----|--|--|--|---|---|-------------------------------------|
| | (Xananoids Club) | instruments, Provide the training to students: regarding newly job oriented and beyond syllabus courses | | | Robotos in: Embedded system design, Image processing, Machine learning and IoT based projects | PO11, PO12 |
| 2. | Provide training on “Embedded Systems & Robotics” By TechieNest, (An ISO 9001:2008 Certified Company)., Jaipur | During this training students would be trained in Embedded Systems & Robotics and they would be also aware about IoT technology. | It will help them in grabbing various job opportunities in MNCs. | The contents covered during 90 hours for a batch. | students would be prepared to design Voice Control Robot, SPY Robot Robo Password access. | PO1, PO3, PO4, PO5, PO9, PO11, PO12 |
| 3. | Provide training on “LINUX” By Red Hat India Private Ltd | After completion of training students will get prepared for RHCSA (Red Hat Certified System Administrator) Exam and after this exam they will be RHCSA certified . | It will help them in grabbing various job opportunities in MNCs. | 40 Hours for a batch | Students will be trained in LINUX based operating systems | PO1, PO3, PO4, PO5, PO9, PO11, PO12 |
| 4. | Provide training on | After completion of | It will help them in | 28 Hours for a batch | | PO1, PO3, PO4, PO5, |

| | | | | | | |
|----|---|---|--|--|---|-------------------------------------|
| | “Embedded & Robotics design” By Sakrobotix research and startup centre, Bhuvneshwar | this course students learnt about basics of embedded and robotics in electronics field. | grabbing various job opportunities in MNCs. | | | PO9, PO11, PO12 |
| 5. | Embedded System and Design | After completion of this course students learnt about basics of embedded system and Robotics. | It will help them in making their projects and to bridge the skill gap between individuals and industry. | 3 hours per day, twice a week (6 hours per week) | Students developed, robotics based, Robotos in: Embedded system design, Image processing, Machine learning and IoT based projects | PO1, PO3, PO4, PO5, PO9, PO11, PO12 |
| 6. | Artificial Intelligence | After completion of this course students learnt about basics of AI and IOT. | It will help them in making their projects and to bridge the skill gap between individuals and industry. | 3 hours per day, twice a week (6 hours per week) | Students developed, robotics based, Robotos in: Embedded system design, Image processing, Machine learning and IoT based projects | PO1, PO3, PO4, PO5, PO9, PO11, PO12 |
| 7. | Machine learning and data science using python | After completion of this course students learnt about basics of embedded | It will help them in making their projects and to bridge the skill gap between | 3 hours per day, twice a week (6 hours per week) | Students developed, robotics based, Robotos in: Embedded system | PO1, PO3, PO4, PO5, PO9, PO11, PO12 |

| | | | | | | |
|--|--|----------------------|---------------------------|--|---|--|
| | | system and Robotics. | individuals and industry. | | design, Image processing, Machine learning and IoT based projects | |
|--|--|----------------------|---------------------------|--|---|--|

Table 6.5: Additional Facilities mapping with PO mapping

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Establish “Robotics Lab” (xananoids) | 2 | 2 | 3 | 3 | 3 | 2 | 1 | - | 3 | 2 | 3 | 3 |
| Provide training on “Embedded Systems & Robotics” By TechieNest, (An ISO 9001:2008 Certified Company)., Jaipur | 2 | 2 | 3 | 3 | 3 | 2 | 1 | - | 3 | 2 | 3 | 3 |
| Provide training on “LINUX” By Red Hat India Private Ltd | 2 | 2 | 2 | 3 | 3 | 2 | 1 | - | 3 | 2 | - | 3 |
| Provide training on “Embedded & Robotics design” By Sakrobotix research and startup centre, Bhuvneshwar | 2 | 2 | 2 | 3 | 3 | 2 | 1 | - | 3 | 2 | 2 | 3 |

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Embedded System and Design | 2 | 2 | 3 | 3 | 3 | 2 | 1 | - | 3 | 2 | 3 | 3 |
| Artificial Intelligence | 2 | 2 | 3 | 3 | 3 | 2 | 1 | - | 3 | 2 | 3 | 3 |
| Machine learning and data science using python | 2 | 2 | 3 | 3 | 3 | 2 | 1 | - | 3 | 2 | 3 | 3 |

Table 6.6: The Centre of Excellence and MOU's

| S. No. | Centre of Excellence | Link of the report |
|---------------|--|---|
| 1 | Machine Learning and Data Science using Python | https://drive.google.com/file/d/1W0MvvZIj-whJ-HHjFjrb61ezdb4hTIyd/view?usp=sharing |
| 2 | Embedded System | https://drive.google.com/file/d/1PWVSoH4BWBSMU-XoDaXMRZerSyUqBmFx2/view?usp=sharing |
| 3 | Artificial Intelligence | https://drive.google.com/file/d/1jnQuebpH4nI0eHP9Ev488zDukuefjNwr/view?usp=sharing |

Sample Ad-On Course Report On Embedded System Design and IOT Application using 8-Bit Micro-controller Session 2021-22

"Embedded System and its application using 8 Bit Microcontroller"

Department of Electronics and Communication Engineering, Jaipur Engineering College & Research Center (JECRC), Jaipur has organized a Certification course on "**Embedded System and its application using 8 Bit Microcontroller**", in association with Upflairs Pvt Ltd - JECRC from 11/10/2021 to 10/11/2021 . All registered participants received - certificates after the end of session and submitted feedback form.

Registration for this event was done by using goggle form and it is free. The tutor for this certification courses was Mr. Siddharth Singh and Mr. Piyush Sanam. The brief bio of speaker is attached as follow.

About the Speaker:

PEEYUSH SANAM New-Challenge earning Professional Application Developer & Trainer (B.Tech in Electronics & Communication Engineering) from last 6 Years in the field of Internet of Things and Artificial Intelligence, along with a rich experience in the Computer Vision & Machine Learning Technologies using Python & Embedded C++ for effective and optimized solutions. Trained 6000+ Students in the field of Electronics & IT related domains during Workshop and Bootcamp Trainings.

- Trained Corporate Professionals from prestigious companies like cardekho.com, Reliance Jio, Genus, Ebay, Ericsson, IBM, Dotsquare, IIHT, Genpact, TCS, Wipro, Secretariat Jaipur and more.
- Delivered 60+ Practical Workshop and numerous sessions on various topics related to Internet of Things (IoT), Artificial Intelligence, Machine Learning, Robotics, Sixth Sense technology, Image Processing, Embedded Systems Design and Manufacturing, at different renowned Engineering/Technical Institutions pan India, including o IITs (Jodhpur, Dhanbad, Mandi), NITs (Kerala, Rourkela, Jaipur, Raipur, Bhopal, Agartala), Government Universities (RTU, NMU, DTU, MPTU, UPTU etc.) Private Universities (like BITS, Amity, LNMIIT, Poornima, JECRC) and more.

Summary:

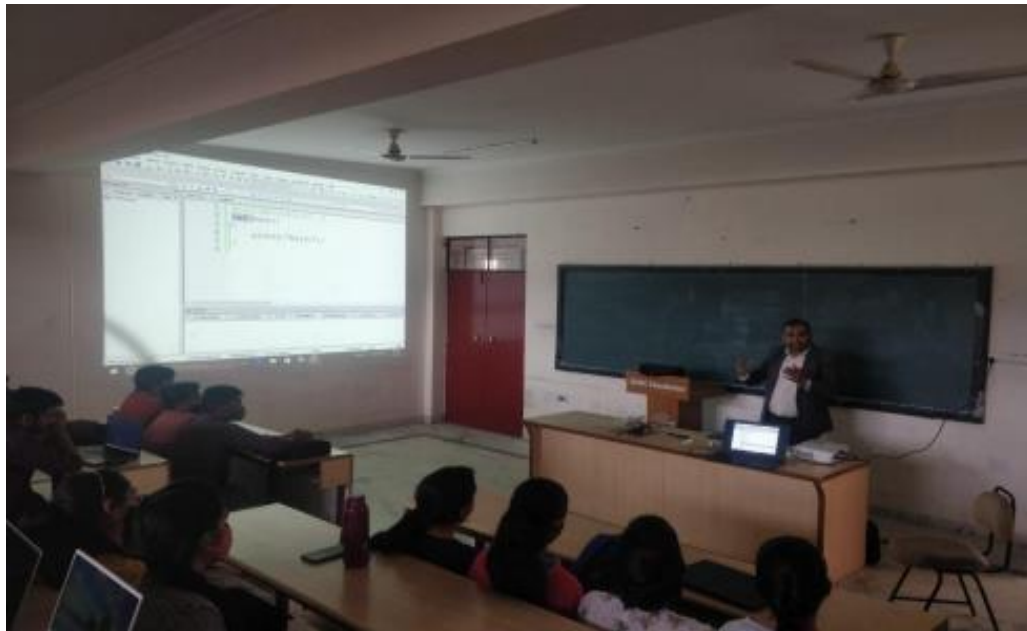
Certification Course : **1**

Date : **11/10/2021 to 10/ 09/ 2021**

Topic : **Embedded System and its application** Invited Speaker : Mr
Siddharth Singh and Mr. Piyush Sanam. Participants attended the event :
158



Sample Photographs



Jaipur Engineering College & Research Centre Department of Electronics & Communication Engineering

Date: 06-10-2021

From: ECE Department

To: Principal JECRC

NOTE SHEET


Subject: Approval for 20 days "Add on" certificate course.

Department of Electronics & Communication Engineering wants to organize 20 days long "Add on" certificate course on "*Embedded System Design and Applications using 8-bit Microcontrollers*" from 11th October, 2021 to 30th October, 2021 in the association with Upflairs Pvt. Ltd for 3rd semester students.

Faculty Coordinator:

- 1) Dr. Sandeep Vyas, Professor (ECE Dept.)
- 2) Mr. Ashish Sharma, Assistant Professor (ECE Dept.)

Submitted for your Kind Approval.


6/10/2021
Dr. Sandeep Vyas
Program Coordinator ECE

Principal


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur-308028

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Table 6.7: Additional facilities generated in Existing lab

| S. No. | Lab Name | Advanced Features | Outcome of facilities |
|--------|-----------------------------------|--|---|
| 1 | Electronics Devices Lab | MOSFET Characteristics Apparatus | To plot the characteristics of MOSFET |
| 2 | Electronics Devices Lab | UJT Characteristics Apparatus and UJT as Relaxation Oscillator | To Plot the characteristics of UJT and UJT as Relaxation Oscillator |
| 3 | Electronics Devices Lab | Common Collector (Emitter Follower) Transistor Amplifier | To find Frequency Response and Gain of Emitter follower |
| 4 | Electronics Devices Lab | UJT as Relaxation oscillator | To plot the characteristics of UJT as Relaxation Oscillator |
| 5 | Electronic Engineering Design Lab | LCR Bridge | Component Testing and Characteristics measurement |
| 6 | Electronic Engineering Design Lab | 30 Volt 3 Amp. Dual Power Supply | To obtain Voltage and Current Characteristics. |
| 7 | Electronic Engineering Design Lab | Low Pass High Pass Trainer | Different types of Filter management |
| 8 | Antenna and Wave Propagation Lab | VLSI Trainer Kit | PLD (Programmable logic Devices) like FPGA (Field Programmable gate array) and CPLD (Complex Programmable Logic Devices) are used in front-end VLSI. A Hardware Description Language like VHDL and Verilog are used to reconfigure these devices for the specific required functionality. FPGAs and CPLDs are re-programmable devices with different internal architecture. Circuit Designed using PLDs are generally used for prototyping, Parallel and High speed processing and as a part of |
| 9 | Antenna and Wave Propagation Lab | VLSI Trainer Kit | |

| | | | |
|-----------|----------------------------------|---|---|
| 10 | Antenna and Wave Propagation Lab | Trainer kit | functional verification in back-end VLSI design. The board contains various interface options including Switches LEDs, LCD, seven segment display, key matrix, relay, buzzer, Traffic light simulator, Dc motor interface. |
| 11 | Communication Lab | Delta Adaptive Delta Modulation and Demodulation kit | Delta Modulation And Demodulation analysis |
| 12 | Communication Lab | Carrier Modulation and Data reformatting digital Communication Trainer. | Frequency modulation digital Reformatting |
| 13 | Communication Lab | RS-232 interface | Digital Signal Interfacing |
| 14 | Communication Lab | Delta Adaptive Delta and Delta sigma Modulation Trainer | Delta Sigma Modulation |
| 15 | Communication Lab | Basic Analog Fiber Optic Trainer | Analog fiber optic modulation |
| 16 | EMI Lab (BG-06) | Stroboscope | Measure the rotation speed or revolution velocity and frequency of rotating, vibrating or moving parts, components and equipment |

Table 6.8: Additional facilities for advanced Learning

| S. No. | Lab Name | Location | Status | Utilization | Area |
|--------|-----------------------|----------|---------|-------------------------|----------------------|
| 1 | Project Lab-1 | BG-01 | New | Project Work | Approx. 2000 Sq. Ft. |
| 2 | Project Lab-2 | BS-15 | Ongoing | Project Work | Approx. 2000 Sq. Ft. |
| 3 | Robotics & AI Lab | BF-03 | New | Project & Research work | Approx. 1000 Sq. Ft |
| 4 | Embedded with IOT Lab | BS-05 | New | Project & Research work | Approx. 1000 Sq. Ft |

Outcome of additional facilities on student performance Session 2021-22

Table 6.9: Poster designing Competition at SKIT Jaipur

| Team no. | Participants | Place | Topic | Semester | Status |
|----------|----------------------|-------------|--|----------|---------------|
| 1. | Ayushi Agarwal | SKIT Jaipur | Nanostructures, Quantum Dot LEDs and LASERS | III | Winners |
| | Vaishnavi Chauhan | SKIT Jaipur | | | |
| | Yogesh Kumar Dadhich | SKIT Jaipur | | | |
| 2. | Priyanshi Agrawal | SKIT Jaipur | Optical Computer for future Generation | V | Participation |
| | Siddharth Sharma | SKIT Jaipur | | III | |
| | Navisha Singh | SKIT Jaipur | | I | |
| 3. | Kalash Kshetija | SKIT Jaipur | Free Space Optics and Wireless Communication | III | Participation |
| | Rajnandini Soni | SKIT Jaipur | | | |
| | Mohan Lal | SKIT Jaipur | | | |

Sample Certificates of the students participated in the technical events session 2021-22




POSTER DESIGNING COMPETITION
on
“RECENT TRENDS IN OPTICAL COMMUNICATION”
Organised by
OPTICA (OSA), SKIT STUDENT CHAPTER
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur




Certificate of Appreciation

This is to certify that Vaishnavi Chauhan, Ayushi Agarwal & Yogesh Kumar Dadhich of JECRC, Jaipur has been the “Winner” in the “Poster Designing Competition” for designing the poster titled “Nanostructures, Quantum Dot LEDs and LASERS” organized by OPTICA (OSA), SKIT Student Chapter dated 31/12/2021 at “Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur”

| | | | |
|--|--|---|--|
|  Dr. Rukhsar Zafar Faculty Advisor OSA Chapter, SKIT, Jaipur |  Dr. Monika Mathur Faculty Advisor OSA Chapter, SKIT, Jaipur |  Mr. Harshal Nigam Faculty Advisor OSA Chapter, SKIT, Jaipur |  Dr. Mukesh Arora Head- ECE Dept. SKIT, Jaipur |
|--|--|---|--|



POSTER DESIGNING COMPETITION
on
“RECENT TRENDS IN OPTICAL COMMUNICATION”
Organised by
OPTICA (OSA), SKIT STUDENT CHAPTER
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur



Certificate of Participation

This is to certify that Priyanshi Agrawal, Siddharth Sharma & Navisha Singh of JECRC, Jaipur has participated in the “Poster Designing Competition” dated 31/12/2021 organized by OPTICA (OSA), SKIT Student Chapter at “Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur”






| | | | |
|--|--|---|--|
|  Dr. Rukhsar Zafar Faculty Advisor OSA Chapter, SKIT, Jaipur |  Dr. Monika Mathur Faculty Advisor OSA Chapter, SKIT, Jaipur |  Mr. Harshal Nigam Faculty Advisor OSA Chapter, SKIT, Jaipur |  Dr. Mukesh Arora Head- ECE Dept. SKIT, Jaipur |
|--|--|---|--|

Table 6.10: 68th IETE Foundation Day Celebration held on 13-11-2021 invited ISF members for a workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level"

| S.No. | Name of Students | Semester & Section | Status |
|-------|---------------------|--------------------|-----------------------|
| 1. | Aditya Raj | V | 1 st prize |
| 2. | Vaishnavi Chauhan | III | 2 nd prize |
| 3. | Raghav Tiwari | V | 3 rd prize |
| 4. | Kalash Kshetija | III | Participation |
| 5. | Kishan Gopal Jetwal | III | Participation |
| 6. | Sourabh Mandal | V | Participation |
| 7. | Nishant Kumar | V | Participation |
| 8. | Rajnandini Soni | III | Participation |
| 9. | Satyam Kumar Thakur | V | Participation |
| 10. | Ayushi Agarwal | III | Participation |
| 11. | Priyanshi Agrawal | V | Participation |
| 12. | Archita Khandelwal | III | Participation |
| 13. | Saket Sharma | V | Participation |
| 14. | Anjali | III | Participation |
| 15. | Arya Raj | III | Participation |
| 16. | Jyoti Soni | III | Participation |
| 17. | Mohan Lal | III | Participation |
| 18. | Neeraj Borana | III | Participation |
| 19. | Sneha Jain | III | Participation |

Sample Certificates of the students participated in "Smart Instrumentation: Advancing Skill Development to the Next Level"


Institution of Electronics and Telecommunication Engineers,
Rajasthan Centre, Jaipur
Certificate of Participation

is hereby granted to

Mr./Ms. Kulash Kshetija


of Year 3rd Semester III from JECRC

for his/her commendable participation in workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" during IETE Foundation Day Celebration -2021.

Theme of the day "Advancing Skill Development to the Next Level - A Paradigm Shift to Amalgamate Skills & Academics with Seamless Transitions"

Date: November 13th, 2021


Dr. Dinesh Yadav
(Hony. Secretary)


Prof. M. M. Sharma
(Hony. Chairman)


Institution of Electronics and Telecommunication Engineers,
Rajasthan Centre, Jaipur
Certificate of Participation

is hereby granted to

Mr./Ms. Kishan Chopal Jekwa

of Year II Semester III from JECRC

for his/her commendable participation in workshop on "Smart Instrumentation: Advancing Skill Development to the Next Level" during IETE Foundation Day Celebration -2021.

Theme of the day "Advancing Skill Development to the Next Level - A Paradigm Shift to Amalgamate Skills & Academics with Seamless Transitions"

Date: November 13th, 2021


Dr. Dinesh Yadav
(Hony. Secretary)


Prof. M. M. Sharma
(Hony. Chairman)

Table 6.11: 8th National Project exhibition by R&D club VGU & VIT Campus

| Sr.no | Name | Sem&Sec | Project | Status |
|-------|-------------------|---------|--|---------------------------|
| 1 | Pratyush Amrit | 5 Sem C | RFID based security system | Consolation prize |
| | Dolly mehta | 5 Sem A | | |
| 2 | Harkishan S Walia | 5 Sem B | Temperature Detector for Entrance During Covid | Participation certificate |
| | Lakshya Jhalani | 5 Sem B | | |
| 3 | Rajnandini soni | 3 Sem C | Implementation of Solar Tracker Using Arduino with Servo Motor | Participation certificate |
| | Ayushi Agarwal | 3 Sem A | | |
| 4 | Vaishnavi Chauhan | 3 Sem C | LPG Gas Detector Using GSM | Participation certificate |
| | Siddharth Sharma | 3 Sem C | | |
| 5 | Neha Jain | 5 Sem B | Accident Detection & Reporting System Using GPS, GPRS & GSM | Participation certificate |
| | Harshita Sharma | 5 Sem B | | |
| 6 | Kunal Dadheech | 5 Sem B | Vehicle Tracking Alcohol Detector | Participation certificate |
| | Indrayash vijay | 5 Sem C | | |

Sample Certificates of the students participated in National Project exhibition



Group photograph of the students at National Project exhibition organized by VGU, Jaipur

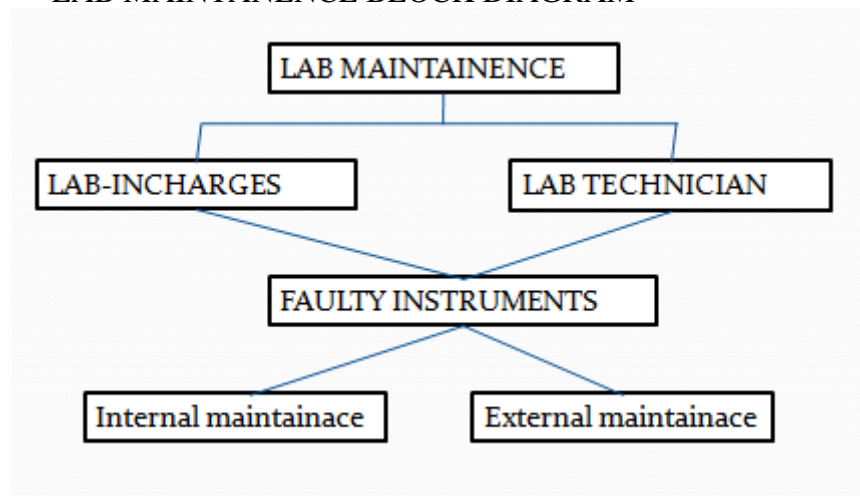


6.3. Laboratories: Maintenance and overall ambiance (10) (Self-Explanatory)

Maintenance of Laboratory Equipment: -

- Repairing of the faulty equipment is carried out by the technical staffs along with one technical in-house expert.
- Regular maintenance of equipment is carried out during free time slots as well as in winter/summer break, at the end of every semester.
- Stock registers are maintained in the separate laboratories and verified regularly.
- Maintenance of computers is taken care by the maintenance department of the institute.

LAB MAINTANENCE BLOCK DIAGRAM



Lab maintenance Process


(1) Lab Feedback:

- Meeting arranges By Hod with the Lab In charge.
- All issue regarding Lab discuss Like maintenance ,requirement and set up of lab (Within 15 days)
- A feedback regarding lab also taken from student .
- All Data are collected.

(2) Lab Feedback corrective action :

- HOD discusses all feed back with Departmental lab In charge.
- Departmental Lab in charge collected all lab status and requirement with budget.

Sample of Call for Meeting

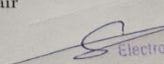

Jaipur Engineering College and Research Centre
Department of Electronics and Communication Engineering
Minutes of Meeting

| | | |
|-----------------|-------------------------------------|---|
| Date:05/07/2021 | Time: 10:00-11:00 am | Location: BG-01 |
| Chaired by: | Designation: HOD, ECE Department | Attended by:- lab Technicians and Departmental lab In charge |

Agenda of Meeting

The following points were discussed in the meeting:

1. The meeting started with a welcome note by HOD.
2. The Lab Technicians were asked to their Stock register verification
3. Discuses and asked to all lab Technician Regarding Lab manuals to be maintained properly and the format of lab manual also discussed.
4. Lab Technicians were asked to regarding requirement of lab stationary like file cover, marker, stock register etc.
5. Lab Technicians were asked to service and repair records of Equipment
6. Ensuring the lab is kept clean and orderly.
7. The Lab Technicians were asked to do their respective labs for the physical verification before 12/08/2021.
8. The Technicians were asked to provide the requirement of their respective lab. They were also advised to keep the maintenance of the kit before 13/07/2021
9. The technicians were asked to prepare the file like lab manual, stock register and, maintenance file which will be required for the upcoming NBA accreditation. before 13/07/2021
10. The meeting ended with thanks of the chair


Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur
Dr. Sandeep Vyas
Program Coordinator ECE

Status of Lab Maintenance (2021-2022)

Jaipur Engineering College & Research Centre
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Status of Lab Maintenance 2021 to 2022

| Sr. No. | Name of Lab | Name of Equipment/Kit | Make & Model No. | Problem/fault | Repairing Date | Component Required | Name of Lab Tech. | Remark |
|---------|------------------------|-----------------------------|------------------|---------------|----------------|--------------------------|-------------------|--------|
| 273 | Communi- cation Lab | Amplitude modulation | Sciencetek | Not working | 12-1-2022 | TR. BC107 Ref. | SHPA | OK |
| 274 | " | frequency modulation | " | Dead | " | Diode Replace | SHPA | OK |
| 275 | " | PWM PPM Pwm kit | " | Not working | " | Resistor 1-2M Ohm | SHPA | OK |
| 276 | EMI LAB | Anderson bridge | MARS | Not working | 15-1-2022 | Diode Ref. | AB | OK |
| 277 | " | ultrasonic digital meter | MARS | Not working | " | T. and R. Sensor Ref. | AB | OK |
| 278 | " | RTD Trainer S | MARS | Dead | " | main Lead Replace | AB | OK |
| 279 | " | Thermocouple kit | MARS | Not working | " | Dry Soldering | AB | OK |
| 280 | " | Single Phase Circuits | MARS | " | " | " | AB | OK |
| 281 | " | LV D.T. | Sciencetek | " | " | Loose contact | BLSZ | OK |

gm
Amit
Amit Kumar
Babji

Jaipur Engineering College & Research Centre

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Status of Lab Maintenance

2022

| Sr. No. | Name of Lab | Name of Equipment/Kit | Make & Model No. | Problem/fault | Repairing Date | Component Required | Name of Lab Tech. | Remark |
|---------|------------------------|-----------------------|-----------------------|---------------|----------------|----------------------|-------------------|--------|
| 282 | EDC-1 | Power supply | PD-01 Sciencetek | over voltage | 5/5/22 | LM-317 Ref. | AB | OK |
| 283 | EDC-2 | Series voltage | AB-32 Sciencetek | over volt | 5/5/22 | zener diode Ref. | AB | OK |
| 284 | EDC-3 | UJT ckt. | Sciencetek 01 | Not working | 5/5/22 | 2N 2646 Ref. | AB | OK |
| 285 | EDC-2 | Function generator | Sciencetek 4060 | Not working | 6/5/22 | TR 3904 Replace | AB | OK |
| 286 | EDC-2 | Power bread board | SPECTRA wide -27D | Not working | 6/5/22 | BU 3055-Replace | AB | OK |
| 287 | DE-LAB | Digit Trainer | CMOS SING | Not working | 6/5/22 | SW Tech Ballouan | AB | OK |
| 288 | Communi- cation Lab | CRO | Sciencetek 30mmz | Scratch | 6/5/22 | S. WD 40 Spray | AB | OK |
| 289 | EMI-LAB | RTD trainer | MARS 1053 | Not working | 6/5/22 | I.C. 741 Replace | AB | OK |
| 290 | EMI-LAB | THERMO | MARS | Not working | 6/5/22 | Diode Replace | AB | OK |
| | | COUPLER | ME-1054 | | | | | |
| 291 | Communi- cation Lab | DSB/SSB amp. Trans | ST 2202 Sciencetek | Not working | 7/5/22 | TR 3904 Replace | Singh | OK |
| 292 | S.P. LAB | P-Link Switch | DES-1016 D | Dead | 7/5/22 | 100UF 25V Replace | AB | OK |
| 293 | E.E.D LAB | DSO 25 MHz | Caddo 3025 LS | Not display | 7/5/22 | 10K Pot Replace | Babji | OK |

Amit Kumar



Jaipur Engineering College & Research Centre

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Status of Lab Maintenance

| Sr. No. | Name of Lab | Name of Equipment/Kit | Make & Model No. | Problem/fault | Repairing Date | Component Required | Name of Lab Tech. | Remark |
|---------|-------------|-----------------------|------------------|---------------|----------------|----------------------------------|-------------------|--------|
| 295 | EDC LAB | FET Amp. | MAAS ME613 | NOT working | 12.5.22 | FET BFW10W Replace | Janit | OK |
| 296 | EDC LAB | R.C. Coupled Amp. | MAAS ME-619 | NOT working | 15.5.22 | Toggle Switch 10K Pot Replace | Janit | OK |
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Asst. Prof. Shukla



Jaipur Engineering College and Research Centre
Department of Electronics and Communication Engineering
Minutes of Meeting for Lab Maintenance

| | | |
|-------------------------------------|---|---|
| Date:02/07/2021 | Time: 10:00-11:00 am | Location: BG-01 |
| Chaired by: Dr. Sandeep Vyas | Designation: HOD, ECE Department | Attended by:- lab Technicians and Departmental lab In charge |

Agenda of Meeting

The following points were discussed in the meeting:


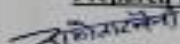

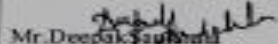
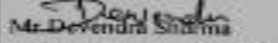
1. The meeting started with a welcome note by HOD.
2. The Lab Technicians were asked to their Stock register verification
3. Discusses and asked to all lab Technician Regarding Lab manuals to be maintained properly and the format of lab manual also discussed.
4. Lab Technicians were asked to regarding requirement of lab stationary like file cover, marker, stock register etc.
5. Lab Technicians were asked to service and repair records of Equipment
6. Ensuring the lab is kept clean and orderly.
7. The Lab Technicians were asked to do their respective labs for the physical verification before 06/07/2018.
8. The Technicians were asked to provide the requirement of their respective lab. They were also advised to keep the maintenance of the kit before 07/07/2018
9. The technicians were asked to prepare the file like lab manual, stock register and, maintenance file which will be required for the upcoming NBA accreditation. before 06/07/2021
10. The meeting ended with thanks of the chair

Dr. Sandeep Vyas

Program Coordinator ECE



Sample of Physical Verification of lab

| | | |
|--|---|---|
|  JECRC JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | Jaipur Engineering college and research centre, Shri Ram kiNangal, via Sitapura, RICO Jaipur- 302022 | Academic year 2021-22 Semester: |
| Department of Electronics and Communication Engineering | | |
|  | | |
| PHYSICAL VERIFICATION | | |
| Prepared By:  Mr. RAMOTAR SAINI (Lab Technician)  Ms. NESTLI ATTRAY (Lab In-Charge) | Checked By:  Mr. Deepak Singh  Mr. Devendra Sharma (Departmental Lab In-Charge) | Verified By: Dr. Sandeep Vyas (Programme Coordinator) Head of the Department Electronics & Communication Engineering JECRC, Jaipur |

| S.No. | Name of Item/Equipment | Model & Serial No | Sem/Year /Branch | Qty. as per Stock Register | Stock Register Page No. | Date of receiving of the item /Bill Number | Qty. as per physical verification |
|-------|-------------------------------|-------------------|------------------------|----------------------------|-------------------------|--|-----------------------------------|
| 1 | 8085 Microprocessor Kit | vmc 8501 | IV/Ind/CSE, V/IIIrd/EE | 15 | 1 | 574/13-14 | 15 |
| 2 | 8155 Interface Card | sc-55T | IV/Ind/CSE, V/IIIrd/EE | 1 | 2 | 574/13-14 | 1 |
| 3 | 8255 Interface Card | sc-55 | IV/Ind/CSE, V/IIIrd/EE | 1 | 3 | 574/13-14 | 1 |
| 4 | 8253 Interface Card | sc-53 | IV/Ind/CSE, V/IIIrd/EE | 1 | 4 | 574/13-14 | 1 |
| 5 | 8085 Microprocessor Kit | vmc 8502 | IV/Ind/CSE, V/IIIrd/EE | 8 | 5 | Tss/07-08/442 | 8 |
| 6 | ADC Interface Card | vmc-dc-0809 | IV/Ind/CSE, V/IIIrd/EE | 2 | 7 | Tss/07-08/442 | 2 |
| 7 | DAC Interface Card | vmc-dc-0800 | IV/Ind/CSE, V/IIIrd/EE | 1 | 8 | Tss/07-08/442 | 1 |
| 8 | Elevator Simulator Card | vmc-es | IV/Ind/CSE, V/IIIrd/EE | 1 | 9 | Tss/07-08/442 | 1 |
| 9 | Traffic Light Controller Card | vmc-tlc | IV/Ind/CSE, V/IIIrd/EE | 1 | 10 | Tss/07-08/442 | 1 |
| 10 | Stepper Motor Controller Card | vmc-smc | IV/Ind/CSE, V/IIIrd/EE | 2 | 11 | Tss/07-08/442 | 2 |
| 11 | Dc Motor Controller Card | vmc-dc | IV/Ind/CSE, V/IIIrd/EE | 2 | 12 | Tss/07-08/442 | 2 |
| 12 | 8251 Microcontroller Card | 8251 | IV/Ind/CSE, V/IIIrd/EE | 2 | 13 | 0338/4/07/2002 | 2 |
| 13 | 8253 Study Card | 8253 | IV/Ind/CSE, V/IIIrd/EE | 2 | 14 | 0338/4-07-2002 | 2 |
| 14 | 8155 Study Card | 8155 | IV/Ind/CSE, V/IIIrd/EE | 2 | 15 | 0338/4-07-2002 | 2 |

| | | | | | | | |
|----|-------------------------|--------------------|---------------------------|----|----|---------------------|----|
| 15 | 8255 Study Card | 8255 | IV/Ind/CSE, V/IIIrd/EE | 2 | 16 | 0338/4- 07-2002 | 2 |
| 16 | 8257 Study Card | 8257 | IV/Ind/CSE, V/IIIrd/EE | 1 | 17 | 0338/4- 07-2002 | 1 |
| 17 | 8085 Microprocessor Kit | vmc- 8501 | IV/Ind/CSE, V/IIIrd/EE | 10 | 18 | 0338/4- 07-2002 | 10 |
| 18 | Computer Power Supply | Le-230 c | IV/Ind/CSE, V/IIIrd/EE | 4 | 20 | 0636/12- 3-2003 | 4 |
| 19 | 8085 Microprocessor Kit | vmc- 8509 | IV/Ind/CSE, V/IIIrd/EE | 1 | 21 | 0338/4- 07-2002 | 1 |
| 20 | FRC Cable | | IV/Ind/CSE, V/IIIrd/EE | 7 | 22 | 0338/4- 07-2002 | 7 |
| 21 | 8086 Microprocessor Kit | XPO- 86/88 | IV/Ind/CSE, V/IIIrd/EE | 4 | 23 | 0636/12- 3-2003 | 4 |
| 22 | Eprom Programmable Card | EPA- 27 | IV/Ind/CSE, V/IIIrd/EE | 2 | 24 | 0636/12- 3-2003 | 2 |
| 23 | Eprom Eraser | ee-1 | IV/Ind/CSE, V/IIIrd/EE | 1 | 25 | 0621/28- 02-2003 | 1 |
| 24 | leee-488 Interface Card | Vpo- leee-c | IV/Ind/CSE, V/IIIrd/EE | 2 | 26 | 0594/20- 2-2003 | 2 |
| 25 | 8086 Microprocessor Kit | vmc- 8609 ep | IV/Ind/CSE, V/IIIrd/EE | 1 | 27 | 0995/25- 3-04 | 1 |
| 26 | 8086 Microprocessor Kit | vmc- 8609p | IV/Ind/CSE, V/IIIrd/EE | 2 | 27 | 0995/25- 3-04 | 2 |
| 27 | 8086 Microprocessor Kit | vmc- 8609p | IV/Ind/CSE, V/IIIrd/EE | 2 | 27 | 0550/10- 02-2003 | 2 |
| 28 | 8085 Microprocessor Kit | vmc- 8503E P | IV/Ind/CSE, V/IIIrd/EE | 1 | 28 | 0995/25- 3-04 | 1 |
| 29 | 8085 Microprocessor Kit | vmc- 8502p | IV/Ind/CSE, V/IIIrd/EE | 3 | 30 | 0995/25- 3-04 | 3 |
| 30 | 8086 Microprocessor Kit | vmc- 8609p | IV/Ind/CSE, V/IIIrd/EE | 5 | 31 | Tss/07- 08/442 | 5 |
| 31 | 8086 Microprocessor Kit | vmc- 8609 AD | IV/Ind/CSE, V/IIIrd/EE | 1 | 31 | Tss/07- 08/442 | 1 |
| 32 | Stepper Dc Motor | ST/DC | IV/Ind/CSE, V/IIIrd/EE | 2 | 32 | 0636/12- 3-2003 | 2 |

Signature of Incharge

Signature of Lab Tech.

Jaipur Engineering College & Research Centre
Department of Electronics and Communication Engineering

From: Lab Incharge

To : Hardware Incharge ECE

Date: 12-03-22

NOTE SHEET

Sub: Requirement of Consumable Item.

This is for your kind information that the requirement of consumable item for "Electronics Devices Lab (BF-14)" in the ECE department is as follows:-

| Sr. No. | Name of Kit | Make & Model | Component Required | Qty. | Rate | Total Cost (Rs) | Remark |
|---------|--------------------------------|---------------|--------------------------|----------|--------------|-----------------|--------|
| 1 | Two stage RC Coupled Amplifier | Mars, ME-619 | Toggle switch | 1 | 50/- | 50/- | |
| 2 | P-N junction diode kit | Mars, ME-539D | Banana socket | 20 | 15/- | 300/- | |
| 3 | FET Common Source Amplifier | Mars, ME 984 | JE-11FET, 10k Pot, Moral | 01 01 | 10/- 50/- | 70/- | |
| 4 | Lead | 4 mm | 4 mm Bazann | 60 | 20/- | 1200/- | |
| 5 | Battery DMM | 9V DC | 9V. DC battery | 10 | 15/- | 150/- | |
| Total | | | | | | 1770/- | |

Lab Technician
Amit Jain

Lab Incharge
Mangilal

Hardware Incharge:

HOD ECE

Kindly sanction the amount for the smooth running of the laboratory

May be consider

Approved

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Sample Audit Report



JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

JECRC Campus, Shri Ram Ki Nangal, Via-Vatika, Jaipur

Department of Electronics & Communication Engineering

Lab Audit for year (2020-2021)

Name of the Department: Electronics & Communication Engineering

Name of Laboratory: Analog Circuit Lab

Lab Incharge: Mr. Mangilal

Lab Technician: Mr. Amit Jain

Audit Date: 08/06/2021

Session: 2020-21

Members of Staff Present:

1. Dr. Parul Tyagi
2. Dr. Shyam Sundar Manaktala
3. Dr. Prerak Bhardwaj

| Sr. No. | Comments | Action Taken | Remark |
|---------|--|--|--|
| 1 | Stock register verified in all terms and good condition. | Letter send to lab incharge for physical verification of kits and stock register | Physical verification has been done as per requirement. |
| 2 | Consumable item missing | Letter send to lab in charge and lab technician for prepare note sheet according to lab requirement and consumable. | Requirement has been full fill as per need in the lab. |
| 3 | Maintenance equipment is not available like solder, cutter component | Requirement letter is issued regarding need of consumable item in lab. | Requirement has been full fill |
| 4 | Some kit is not working and not proper maintenance of equipment | Requirement letter is issued regarding need of consumable item | Requirement has been full fill |
| 5 | There is no proper seating arrangement in the lab for students also equipment not proper arrange | Letter send to lab technician regarding proper arrangement of seating and equipment should be arranged proper | Kit properly maintained and seating arrangement also proper way has been done by the lab incharge. |
| 6 | Master copy of lab manual not available | Letter send to faculty regarding update of the lab manual and also increase the availability of lab manual copy for students | Lab manual update also as per syllabus. |

Signature of Lab Technician

Signature of the Lab Audit Experts

- (1)
- (2)
- (3)

Signature of Lab Incharge

Signature of the HOD

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

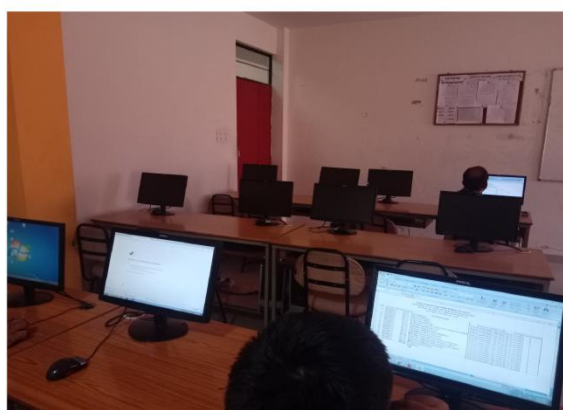
Overall Ambience: -

- All laboratories are acoustics having sufficient natural light, proper ventilation with tubes and fan arrangement.
- Overall ambience of laboratory is good.
- Laboratory manuals are prepared and are available in hard copy in each lab.

Table 6.3.1: Overall Ambience of Each Lab of the Department

| S.NO | NAME OF LAB | ROOM NO. | LAB INCHARGE | | | | | | | | | | | | |
|------|-------------------------------|----------|------------------------|------------------|------------------------|---------------|---------------|---------|--------------|---------------------|--------|------------|-----|----|--------------------|
| | | | | EXPERIMENT TABLE | STOOL / STUDENTS CHAIR | FACULTY TABLE | FACULTY CHAIR | ALMIRAH | NOTICE BOARD | WHITE / BLACK BOARD | WINDOW | TUBE LIGHT | FAN | AC | POWER SWITCH BOARD |
| 1 | Microcontroller | BS-15 | Mr. Nishi Attray | 6 | 25 | 1 | 1 | 0 | 1 | 1 | 5 | 10 | 8 | 0 | 18 |
| 2 | Signal Processing Lab | CP-12 | Mr. Honey Agarwal | 14 | 28 | 1 | 1 | 0 | 1 | 1 | 2 | 8 | 4 | 2 | 16 |
| 3 | EDC LAB -I | BF-14 | Mr. Mangi Lal | 10 | 30 | 1 | 1 | 2 | 1 | 1 | 4 | 4 | 4 | 0 | 15 |
| 4 | Digital Electronics Lab-2 | BS-04 | Ms. Anju Rajput | 7 | 25 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 0 | 11 |
| 5 | EED LAB | BG-04 | Mr. Rakesh Kardam | 8 | 35 | 1 | 1 | 2 | 1 | 1 | 4 | 2 | 4 | 0 | 11 |
| 6 | Microprocessor Lab | BG-15 | Mr.S.K Singh | 7 | 25 | 1 | 1 | 2 | 1 | 1 | 8 | 2 | 4 | 0 | 10 |
| 7 | Communication Lab | BG-16 | Mr. Devendra Sharma | 9 | 30 | 1 | 1 | 1 | 1 | 1 | 4 | 2 | 4 | 0 | 12 |
| 8 | Signal & Image Processing Lab | BS-13 | MsParul Tyagi | 14 | 32 | 1 | 1 | 1 | 1 | 1 | 4 | 8 | 4 | 2 | 12 |
| | | | Mr. Ashish Kulshrestha | 14 | 32 | 1 | 1 | 0 | 1 | 1 | 4 | 8 | 4 | 2 | 12 |
| 10 | Wireless Comm.Lab | BG-01 | Ms.Ritumbra | 8 | 28 | 1 | 1 | 1 | 1 | 1 | 5 | 6 | 6 | 0 | 15 |
| 11 | EDC LAB -II | BG-06 | MrDeepak Sankhala | 11 | 25 | 1 | 1 | 4 | 1 | 1 | 4 | 2 | 4 | 0 | 13 |
| 12 | Digital Electronics Lab- 1 | BLG-16 | Ms. Lokeah Kr Sharma | 11 | 25 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 0 | 17 |
| 13 | Microwave Engg. Lab | DS-08 | Ms. Mamta Rani | 16 | 48 | 1 | 2 | 2 | 0 | 1 | 2 | 0 | 6 | 0 | 8 |

SAMPLE LAB PICS FOR AMBIENCE



6.4. Project laboratory (5)

(Mention facilities & Utilization)

- Two hardware (workshop lab, embedded system lab) and one computer lab (CP-12) are used for project work.
- Technical support for the students is available throughout the day.
- All other labs are open for the students to carry out research regarding their projects, throughout the day.

Table 6.4.1: Facilities created in ECE department for projects:

| S. No. | Lab Name | Location | Status | Utilization | Area |
|--------|-----------------------|----------|---------|-------------------------|----------------------|
| 1 | Project Lab-1 | BG-01 | New | Project Work | Approx. 2000 Sq. Ft. |
| 2 | Project Lab-2 | BS-15 | Ongoing | Project Work | Approx. 2000 Sq. Ft. |
| 3 | Robotics & AI Lab | BF-03 | New | Project & Research work | Approx. 1000 Sq. Ft |
| 4 | Embedded with IOT Lab | BS-05 | New | Project & Research work | Approx. 1000 Sq. Ft |

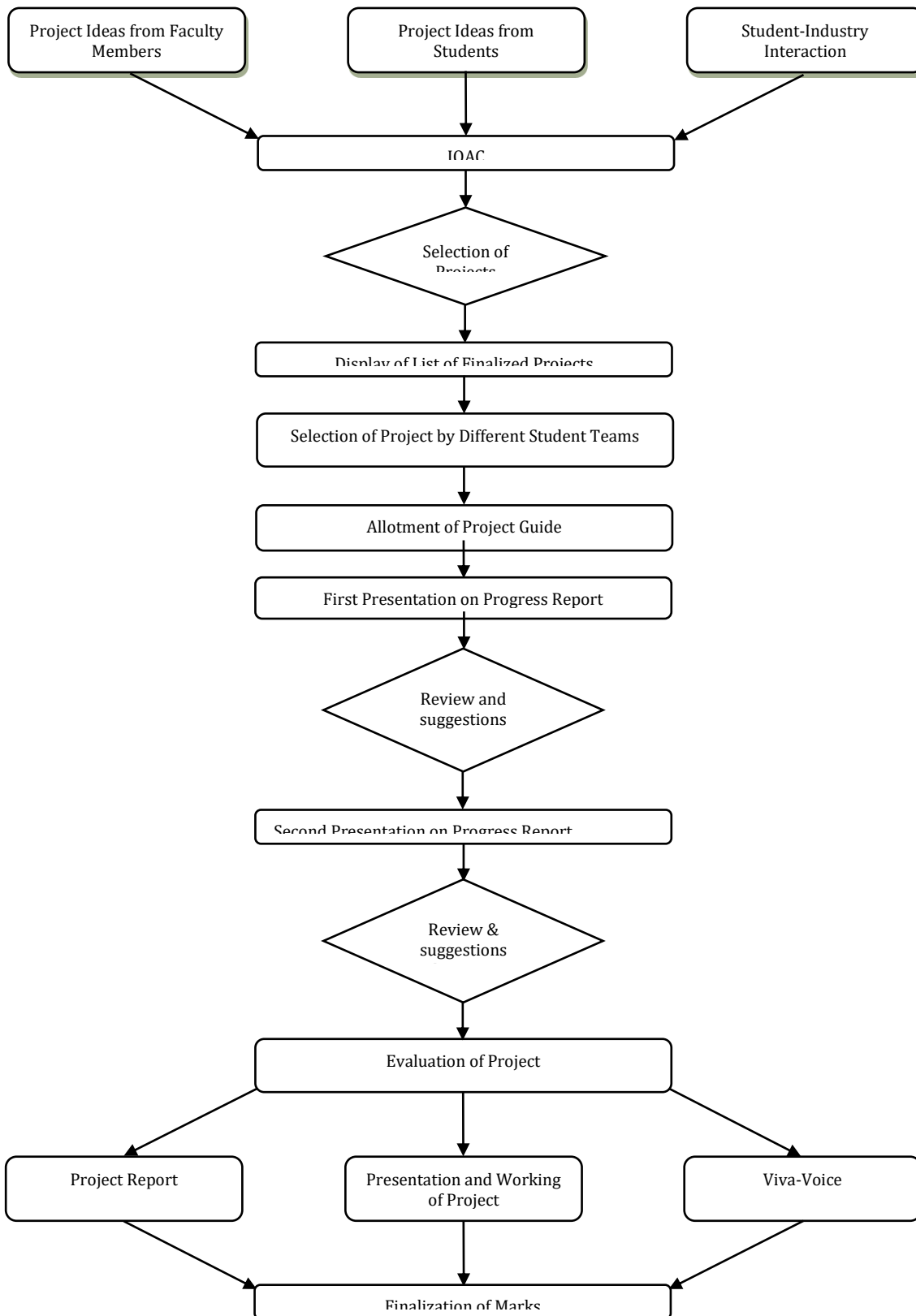
Table 6.4.2: Software Detail in Existing Lab

| III Sem | | | | |
|---------|----------------------------|-------------------|----------------------|---|
| S. No. | Lab Name | Licensed Software | Open Source Software | Links |
| 1 | Computer Programming Lab-I | | Turbo C & C++ JAVA | https://www.java.com/en/download/ , https://developerinsider.co/downloading/?download=https://github.com/vineetchoudhary/turbocpp/releases/download/v3.2/Turbo.C.3.2.zip?raw=true&after=https://developerinsider.co/c-and-cpp-insider/ |
| 2 | Signal and Systems | | Scilab | https://www.scilab.org/download/6.1.0 |
| IV Sem | | | | |

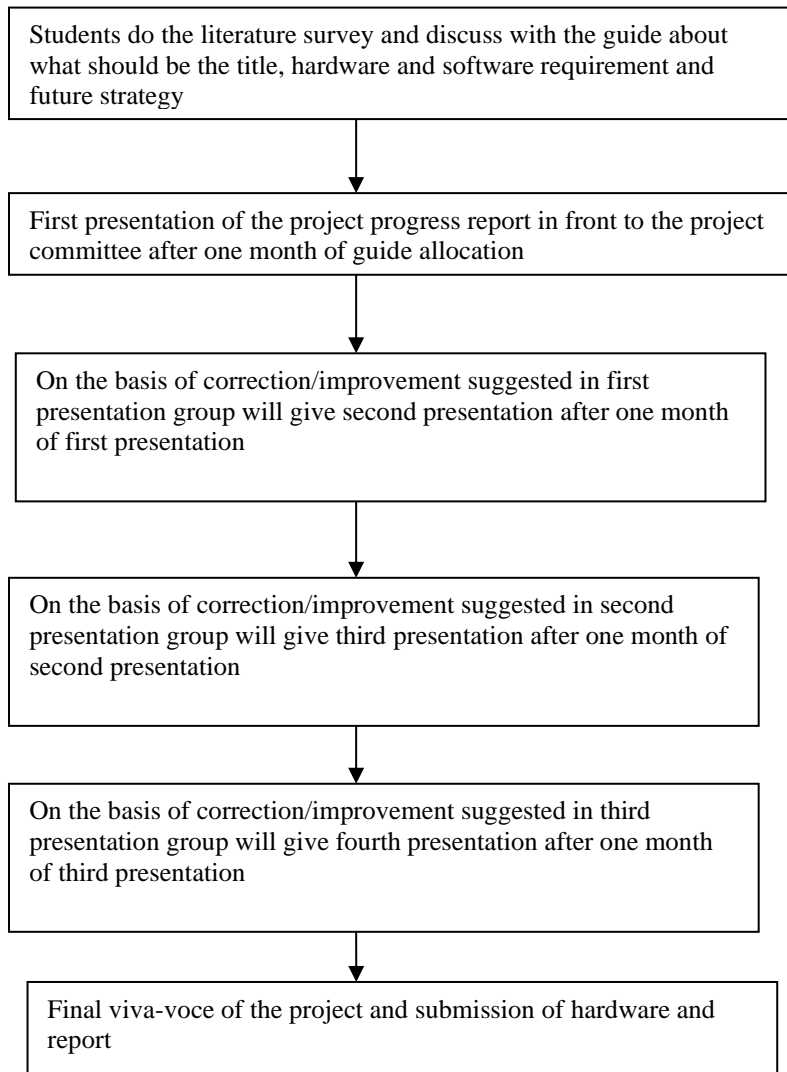
Department of Electronics & Communication Engineering

| | | | | |
|---------------------|-------------------------------------|-------------------|--|---|
| 1 | Computer Programming Lab-II | | ORACLE(\$10450 Enterprise Edition, MY SQL(\$10000 Annually Enterprise Edition) | https://www.java.com/en/download/ , https://developerinsider.co/downloading/?download=https://github.com/vineetchoudhary/turbocpp/releases/download/v3.2/Turbo.C.3.2.zip?raw=true&after=https://developerinsider.co/c-and-cpp-insider/ |
| V Sem | | | | |
| 1 | Signal Processing Lab (OLD) | | Modal Sim, Xilinx | https://www.intel.com/content/www/us/en/software/programmable/quartus-prime/model-sim.html |
| 2 | RF Simulation Lab | | CST | https://edu.3ds.com/en/software/cst-studio-suite-student-edition |
| 3 | Digital Signal Processing Lab | | Scilab | https://www.scilab.org/download/6.1.0 |
| VI Sem | | | | |
| 1 | RF Simulation Lab (OLD) | | SCI Lab (Open Source) | https://www.scilab.org/download/6.1.0 |
| 2 | Computer Networking Lab | | Linux | Linux OS |
| VII Sem | | | | |
| | Signal & Image Processing Lab(OLD) | | Scilab | https://www.scilab.org/download/6.1.1 |
| VIII Sem | | | | |
| 1 | RF Fabrication Lab(OLD) | | CST | https://edu.3ds.com/en/software/cst-studio-suite-student-edition |
| 2 | VLSI & Optical Fiber Lab(OLD) | Model Sim, Xilinx | | https://www.intel.com/content/www/us/en/software/programmable/quartus-prime/model-sim.html |
| Project Work | | | | |
| 1 | PCB Making | | Express PCB Plus | https://www.expresspcb.com/ |
| 2 | PCB Making | | Dip Trace | https://diptrace.com/download/download-diptrace/ |
| 3 | Circuit Simulation | | Proteus | https://www.labcenter.com/pricing/edu/ |
| 4 | Circuit simulation | | Multisim | https://www.ni.com/en-in/support/downloads/software-products/download.multisim.html#312060 |

Project flow



PROJECT ASSESMENT FLOW



PROJECT COs AND CO-PO MAPPING

| | |
|--------|---|
| 8EC8.1 | CO1: Understand and review the available literature on the chosen problem |
| 8EC8.2 | CO2: Apply the methodology to solve the identified problem |
| 8EC8.3 | CO3: Analyze the principles and tools for the problem. |
| 8EC8.4 | CO4: Create the technique to solve the problem. |
| 8EC8.5 | CO5: Prepare and present project report |

| POs COs | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | H | H | H | H | L | - | - | - | H | L | - | M |
| 2 | H | H | H | M | H | M | M | - | H | L | M | H |
| 3 | H | H | H | M | H | M | M | - | H | M | M | H |
| 4 | H | H | H | M | M | M | M | - | H | M | L | H |
| 5 | M | M | M | M | L | - | - | H | H | H | M | H |

Sample Notice for Project Allotment 2021-22

**Jaipur Engineering College & Research Centre, Jaipur
Department of Electronics & Communication Engineering**

Notice

Sept, 15, 2021

Formation of the Groups and Project Guide Allotment

It is hereby informed to all the final year students of ECE, that they have to appear before the Project Committee of ECE for the guide allotment process on Sept 27, 2021 9:00 AM at Project Lab.

The allotment process is as follows:

Stage 1: Formation of Groups.

- Each class section is divided in to four batches according to the student's past performance.
- This batch wise list has been shared with you.
- A group of four students is to be formed by selecting one student form each batch.
- Students will mutually discuss with each other about common interests and form their groups.
- Note: Two students from same batch cannot be in the same group in any circumstance.
- For section A, groups are named as A1, A2.... For section B, groups are named as B1, B2...and
- so on.

Stage 2: Selection of Supervisor.

- After group formation, each group will choose a faculty supervisor.
- A list of faculty members with their field of expertise and major project interests has been shared with you.
- Each group will select 3 choices of supervisors from the list according to their field of expertise.
- The last date to lock the choices is 29 Sept. 2021.

The detailed project guidelines are attached.

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator

Dr. Sandeep Vyas
HoD-ECE

Department of Electronics & Communication Engineering

List of specialization of Faculty Member for Major Project of B. Tech. Session 2021-22 JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER, JAIPUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| S.No | Name of Faculty | Designation | Area of Expertise |
|------|-------------------------|---------------------|--|
| 1 | Dr. Sandeep Vyas | Professor | Nonlinear optics |
| 2 | Dr. Shruti Kalra | Professor | Optoelectronics and VHDL |
| 3 | Dr. S. K. Singh | Professor | Machine Learning and IoT |
| 4 | Dr. S. S Manakatala | Associate professor | 1. software programming in c/CPP/java 2.vlsi circuit design using VHDL, python programming |
| 5 | Dr. Parul Tyagi | Associate professor | Wireless Network |
| 6 | Ms. Ritu Vyas | Asst professor | 1.wireless communication 2.Optical fiber communication |
| 7 | Mr. Vikas Sharma | Asst professor | Optical Communication/Photonic Crystal |
| 8 | Mr. Ashish Kulshrestha | Asst professor | wireless communication |
| 9 | Mr. Raj Kumar Jain | Asst professor | power system |
| 10 | Mr. Mangi Lal | Asst professor | Digital Communication |
| 11 | Mr. Honey Agarwal | Asst professor | VHDL |
| 12 | Mr. Jitendra Sharma | Asst professor | wireless communication |
| 13 | Mr. Rakesh Kardam | Asst professor | digital communication |
| 14 | Mr. Devendra Sharma | Asst professor | POWER SYSTEM |
| 15 | Mr. Naresh Kumar | Asst professor | wireless and computer networks & Cyber security |
| 16 | Mr. Ankur Gangwar | Asst professor | Communication systems and networks |
| 17 | Mr. Lokesh Kumar Sharma | Asst professor | microcontroller |
| 18 | Mr. Bhoopesh Kumawat | Asst professor | Microcontrollers, Embedded Systems |
| 19 | Mr. Ashish Sharma | Asst professor | Signal Processing. AI, Neural Networks and Machine learning, Deep Learning |
| 20 | Mr. Deepak Shankla | Asst professor | VHDL and MATLAB |
| 21 | Ms. Yazusha Sharma | Asst professor | optical communication/pcf sensor/photonic crystal fiber |
| 22 | Ms. Ritambhara | Asst professor | VLSI Design,Signal processing, Microelectronics, AI based IC, Blockchain, IOT, CNTFETs, IOT. |
| 23 | Deepmala kulshrestha | Asst professor | Digital Communication (OFDM) |
| 24 | Dr. Jaiverdhan | Associate professor | RF and Microwave Antennas, Microwave Absorber, Digital Image processing |
| 25 | Ms. Nishi Atray | Asst professor | |
| 26 | Ms.Mamta Rani | Asst professor | Digital communication |
| 27 | Jai Prakash Mishra | Asst professor | Embedded System & Microcontroller |
| 28 | Dr. Ashish Kumar | Asst professor | VLSI design, Sensor and actuators |
| 29 | Dr. Girraj sharma | Associate professor | Wireless communication, Microwave, Antenna design, Embedded, Machine Learning, Artificial Intelligence |
| 30 | Dr. Vinita Mathur | Associate professor | Antenna and RF |
| 31 | Dr. Ajay Yadav | Associate professor | Antenna design, RF microwave, Filter |

Department of Electronics & Communication Engineering

| | | | |
|----|-------------------------|----------------|--|
| 32 | Mr. Sudarshan Jain | Asst professor | Optics, Antenna design |
| 33 | Ms. Sameeksha Choudhary | Asst professor | Digital Communication, wireless sensor network |
| 34 | Ms. Bhavna Kalra | Asst professor | Antenna, Optical, Embedded |

Sample List of Guide Allotment 2021-22

Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
VII semester Major Project Allocation 2021-2022

| Section A | | | |
|-------------------|----------------------|------------|----------------------|
| Project Group No. | Student Name | RTU R. No. | Supervisor |
| A1 | Chirag Mahajan | 18EJCEC044 | Mr. Vikas Sharma |
| | Aryan Jain | 18EJCEC024 | |
| | Charul Bhati | 18EJCEC042 | |
| | Akshat Todi | 18EJCEC011 | |
| A2 | Abhishek Jain | 18EJCEC006 | Dr. Jaiverdhan |
| | Aman Jain | 18EJCEC014 | |
| | Abhishek Dave | 18EJCEC005 | |
| | Akshat Sharma | 18EJCEC010 | |
| A3 | Ashish Jain | 18EJCEC025 | Dr. S K Singh |
| | Arushi Jain | 18EJCEC023 | |
| | Dipanshu Tomer | 18EJCEC051 | |
| | Akshay Kumar Beniwal | 18EJCEC012 | |
| A4 | Anchal Madnani | 18EJCEC017 | Mr. Bhoopesh Kumawat |
| | Bhumi Gajjar | 18EJCEC040 | |
| | Ayush Sharma | 18EJCEC038 | |
| | Ashish Jangid | 18EJCEC026 | |
| A5 | Amit Kumar | 18EJCEC016 | Mr. Ankur Gangwar |
| | Ashish Raj | 18EJCEC028 | |
| | Atul Kumar | 18EJCEC036 | |
| | Ajay Kumar Meena | 18EJCEC008 | |
| A6 | Garima Goyal | 18EJCEC055 | Dr. Sandeep Vyas |
| | Gaurang Singhal | 18EJCEC056 | |
| | Arjita Mathur | 18EJCEC020 | |
| | | | |
| A7 | Devhuti Joshi | 18EJCEC048 | Dr. Sandeep Vyas |
| | Ashish Mangal | 18EJCEC027 | |
| | Asmit Kumar Parida | 18EJCEC034 | |
| | Aditya Yadav | 18EJCEC007 | |

Department of Electronics & Communication Engineering

| | | | |
|----|--------------------|------------|------------------------|
| A8 | Ashok Singh Gurjar | 18EJCEC030 | Mr. Ashish Kulshrestha |
| | Aman Kumar Jangir | 18EJCEC015 | |
| | Ankit Kumar Sharma | 18EJCEC019 | |
| | Fardeen Hussain | 18EJCEC053 | |
| A9 | Astha goyal | 18EJCEC035 | Dr. Girraj sharma |

SAMPLE OF FRONT PAGE OF PROJECT REPORT 2021-22

A
PROJECT REPORT
ON

PROJECT TOPIC

**Submitted in Partial Fulfillment for the Award of Bachelor of Technology
Degree of Rajasthan Technical University, Kota**



**JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE**

2021-2022

Guided by:

GUIDE NAME
(Prof./Associate Prof./Assistant Prof.)
Department of ECE

Submitted by:

STUDENT NAMES (Roll No)
B. Tech. VIII SEM, ECE

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER,
SHRI RAM KI NANGAL, VIA SITAPURA RIICO JAIPUR- 302022
May 2022



Department of Electronics & Communication Engineering

Sample marks distribution of Major project of 2021-22

| Student Name | RTU R. No. | Supervisor/ Project Guide | Project title | MID Assesment 1 | | | | | MID Assesment 2 | | | | | Total (210) | Signature |
|-------------------------|------------|------------------------------|--|------------------------------|--|----------------------------|--|---|---------------------|-------------------------|-------------------|---------------------------------|---|-------------|-----------|
| | | | | Project selection marks (10) | Synopsis submission /presentation marks (20) | Innovation/novel Idea (10) | Survey and information collection (10) | Mid sem I evaluation marks (viva, quiz etc.) (50) | Project report (10) | Presentation marks (20) | Project demo (20) | ovrall role in the project (10) | Mid sem II evaluation marks(viva, quiz etc.) (50) | | |
| Chaitanya Goyal | 17EJCEC055 | Mr. Vikas Sharma | Electric Vehicle Charge Supply Equipment | 9 | 18 | 10 | 9 | 47 | 9 | 20 | 20 | 10 | 47 | 199 | |
| Bharat Modi | 17EJCEC053 | | | 7 | 17 | 9 | 7 | 46 | 9 | 17 | 16 | 7 | 45 | 180 | |
| Aditya Joshi | 17EJCEC015 | | | 7 | 17 | 9 | 7 | 47 | 8 | 17 | 16 | 7 | 47 | 182 | |
| Ayushi Rawat | 17EJCEC050 | | | 7 | 18 | 8 | 8 | 48 | 9 | 18 | 17 | 8 | 46 | 187 | |
| Ayushi Bansal | 17EJCEC049 | Dr. Shruti Kalra | Colour Vision And Speech Based Mouse Controller | 9 | 19 | 9 | 9 | 49 | 9 | 19 | 19 | 9 | 49 | 200 | |
| Arshpreet Singh Dhingra | 17EJCEC036 | | | 10 | 19 | 10 | 9 | 49 | 10 | 19 | 20 | 9 | 49 | 204 | |
| Achintya Siddha | 17EJCEC010 | | | 9 | 19 | 9 | 9 | 49 | 9 | 19 | 19 | 9 | 49 | 200 | |
| Aayush Khandelwal | 17EJCEC003 | | | 7 | 17 | 8 | 8 | 47 | 8 | 18 | 18 | 8 | 47 | 186 | |
| Akshat Pareek | 17EJCEC017 | Dr. Jaiverdhan | Bluetooth App Based Home Automation | 9 | 19 | 9 | 9 | 48 | 9 | 18 | 18 | 10 | 48 | 197 | |
| Aryaman Singh | 17EJCEC039 | | | 10 | 18 | 9 | 9 | 47 | 9 | 17 | 17 | 9 | 45 | 190 | |
| Bhaira Ram Puniya | 17EJCEC052 | | | 8 | 18 | 9 | 9 | 45 | 9 | 17 | 17 | 8 | 44 | 184 | |
| Aarush Saini | 17EJCEC001 | | | 9 | 17 | 8 | 9 | 45 | 9 | 17 | 16 | 8 | 42 | 180 | |
| Chesta Porwal | 17EJCEC059 | Dr. Parul Tyagi | Travel Request System | 9 | 18 | 10 | 10 | 48 | 8 | 19 | 18 | 10 | 50 | 200 | |
| Aaryan Tiwari | 17EJCEC002 | | | 9 | 18 | 10 | 10 | 47 | 8 | 19 | 18 | 10 | 50 | 199 | |
| Aman Pandya | 17EJCEC023 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Aayush Saini | 17EJCEC004 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Astha Choudhary | 17EJCEC043 | Dr. Sandeep Vyas | Smart Alcohol Detection And Accident Indication System | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Baibhav Ranjan | 17EJCEC051 | | | 9 | 18 | 10 | 10 | 48 | 8 | 19 | 18 | 10 | 50 | 200 | |
| Akshat Sharma | 17EJCEC018 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Chetan Sharma | 17EJCEC061 | | | 7 | 18 | 7 | 8 | 44 | 8 | 14 | 18 | 6 | 45 | 175 | |
| Anand Raj Jain | 17EJCEC024 | Dr. Jaiverdhan | Face Recognition | 8 | 16 | 8 | 7 | 42 | 8 | 16 | 18 | 8 | 43 | 174 | |
| Anshul Bhandari | 17EJCEC029 | | | 9 | 17 | 8 | 9 | 45 | 9 | 17 | 18 | 8 | 45 | 185 | |
| Arjun Sharma | 17EJCEC034 | | | 8 | 16 | 8 | 9 | 43 | 8 | 17 | 18 | 7 | 45 | 179 | |
| Anup Kumar Jha | 17EJCEC031 | | | 9 | 16 | 8 | 8 | 44 | 6 | 13 | 15 | 8 | 44 | 171 | |

Major Project Title and Area of key Technology Session 2021-22

| Jaipur Engineering College & Research Center, Jaipur | | | | |
|---|--|-------------------------------|--------------------------------------|---|
| Department of Electronics & Communication Engineering | | | | |
| VII semester Major Project 2021-22 | | | | |
| Project Group number | Project Title | Project Guide/Supervisor Name | Category of your project is | Key technology of your project (e.g. machine learning, IOT, Antenna, Embedded etc.) |
| A1 | Smart Lab Automation using IOT and Android Application | Mr Vikas Sharma Sir | Combination of Hardware and Software | IOT Embedded C Android Development |
| A2 | Smart Stick Using Arduino Uno: | Dr. Jaivardhan Sir | Combination of Hardware and Software | Arduino Uno and various other sensors like |



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| | | | | |
|----|--|------------------------|--------------------------------------|------------------------------------|
| | Aiding the Visually Impaired | | | ultrasonic, moisture sensor etc. |
| A3 | Automated remote sensing and managing agricultural parameters using machine learning | S.K Singh Sir | Combination of Hardware and Software | Machine Learning IOT |
| A4 | Energy Efficient Advance Driver Assistance System | Mr. Bhoopesh Kumawat | Combination of Hardware and Software | Embedded System |
| A5 | Ultrasonic Based Sonar System | MR. ANKUR GANGWAR | Combination of Hardware and Software | Arduino Uno and Ultrasonic Sensor |
| A6 | Solar Power Monitoring and Controlling to achieve Maximum Power Efficiency using IOT | Dr. Sandeep Vyas | Combination of Hardware and Software | IOT and Embedded |
| A7 | Solar powered floor cleaning robot | Dr. Sandeep vyas | Combination of Hardware and Software | Embedded, Iot |
| A8 | An IoT Based Plant Health Monitoring System Implementing Image Processing | Mr. Ashish Kulshrestha | Combination of Hardware and Software | Image processing, IoT and Embedded |
| A9 | Healthcare Monitoring System | Dr. Girraj Sharma | Combination of Hardware and Software | IOT, Embedded |

6.5. Safety measures in laboratories (10)

| Sr. No. | Subject Code | Name of the Laboratory | Safety measures |
|---------|--------------|---|---|
| 1. | 3EC7A | Electronic Instrumentation Workshop | <ul style="list-style-type: none"> • Before switching on the power supply, get the circuit connections checked by the teacher/Instructor. • Maintain strict discipline. • First aid kit is available for the safety measure. • Do not touch or attempt to touch the mains power supply Wire with bare hands. • Do not overcrowd at the tables in the laboratory. • Carry out the experiments in such a way that nobody will be injured or hurt. • Carry out the experiments in such a way that the equipment will not be damaged or destroyed. • Sensitive electronic circuits and electronic components have to be handled with great care. • All the time ambulance facility is available, in case of any emergency. |
| 2. | 3EC8A | Computer Programming Lab-I | |
| 3. | 3EC9A | Electronic Device Lab | |
| 4. | 3EC10A | Digital Electronics Lab | |
| 5. | 3EC11A | Business Entrepreneurship | |
| 6. | 4EC7A | Computer Programming Lab-II | |
| 7. | 4EC8A | Analog Electronics Lab | |
| 8. | 4EC9A | Measurement & Instrumentation Lab | |
| 9. | 4EC10A | Humanities & Social Sciences | |
| 10. | 5EC7A | Electronic Engineering Design Lab | |
| 11. | 5EC8A | Microwave Engg. Lab | |
| 12. | 5EC9A | Communication Lab-I | |
| 13. | 5EC10A | Signal Processing Lab | |
| 14. | 5EC11A | Professional Ethics and Disaster Management | |
| 15. | 6EC7A | Communication Lab-II | |
| 16. | 6EC8A | Microprocessor Lab | |
| 17. | 6EC9A | RF Simulation Lab | |
| 18. | 6EC10A | Industrial Electronics Lab | |
| 19. | 6EC11A | Personality Development & General Aptitude | |
| 20. | 7EC7A | Signal & Image Processing Lab | |
| 21. | 7EC8A | Wireless Communication Lab | |
| 22. | 7EC9A | Practical Training & Industrial Visit | |
| 23. | 7EC10A | Project-I | |
| 24. | 8EC5A | RF Fabrication Lab | |
| 25. | 8EC6A | Industrial Economics & Management. | |
| 26. | 8EC7A | VLSI & Optical Fibre Lab | |
| 27. | 8EC8A | Project -II | |
| 28. | 8EC9A | Seminar | |

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| | | |
|--------------------|-------------------------------|-----------|
| CRITERION 7 | Continuous Improvement | 50 |
|--------------------|-------------------------------|-----------|

7.1. Actions taken based on the results of evaluation of each of the POs & PSOs (20)

- Identify the areas of weaknesses in the program based on the analysis of evaluation of POs & PSOs attainment levels. Measures identified and implemented to improve POs & PSOs attainment levels for the assessment years.

POs Attainment Levels and Actions for Improvement during CAY- (2021-22)

| POs | Target Level | Attainment Level | Observations |
|--|--------------|------------------|--|
| PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and electronics and communication engineering specialization to the solution of complex electronics and communication engineering problems. | | | |
| PO1 | 2.68 | 2.06 | <ul style="list-style-type: none"> Lack in implementing practical knowledge according to theoretical subjects. Complex problems were not properly handled by students due to lack in basic concepts. |
| ACTION: | | | |
| <ul style="list-style-type: none"> Introductory classes were made more technical for implementing basic subjects Basic Electronics, Analog & Digital Communication, Digital System Design and IoT Lab. Seminars and webinars were provided to the students for the implementing of practical knowledge. Seminar on Artificial Intelligence & Cyber security were conducted. Workshops on Embedded system, Python programming-based workshop were organized. Training Program on Embedded Systems & Robotics was organized. International conference and National conference were organized. | | | |
| PO2. Problem analysis: Identify, formulate, research literature, and analyze complex electronics and communication engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. | | | |
| PO2 | 2.41 | 1.86 | <ul style="list-style-type: none"> Need of strong analytical power in students. Students were facing problem in applying the principles for understanding the complex problem. |
| ACTION: | | | |
| <ul style="list-style-type: none"> Industrial visits were organized to improve the analytical skills. Technical events such as Robo Sumo-war, Robo Soccer, line follower, circuit designing event “Renovator” were organized to understand complex problems. Seminars and webinars were provided to the students for the implementing of practical knowledge. Seminar on Artificial Intelligence & Cyber security were conducted | | | |



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- **International conference** and **National conference** was organized.

PO3: Design/development of solutions: Design solutions for complex electronics and communication engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety, and the cultural, societal, and environmental considerations.

| | | | |
|------------|-------------|-------------|--|
| PO3 | 2.24 | 1.73 | <ul style="list-style-type: none"> • Less fulfillment of industrial approach in minor and major projects for the problem solutions. |
|------------|-------------|-------------|--|

ACTION:

- Various projects allotted to the students to design and provide the solutions of problems related to industrial work, public health & safety and environmental considerations.
- Seminars and webinars were provided to the students for the implementing of practical knowledge. Seminar on **Artificial Intelligence & Cyber security** were conducted
- For the technical understanding **technical events** such as **Robo Sumo-war, Robo Soccer, line follower, circuit designing event “Renovator”** were organized to design and development of solution for a specific technical problem.
- Various **Training programs, Workshops and Industrial visits** were organized.
- **International conference** and **National conference** were organized.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of electronics and communication engineering experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

| | | | |
|------------|-------------|-------------|---|
| PO4 | 2.01 | 1.54 | <ul style="list-style-type: none"> • Lack in applying research based approach. |
|------------|-------------|-------------|---|

ACTION:

- Emphasis is given to the project-based learning by giving hands on project-based assignments.
- Project exhibitions were organized to enhance the analysis capabilities of data interpretation.
- **International and National Conferences** were organized to develop interest into the students towards the research and publications.
- GATE questions which are related to **synthesis of the system** were included in Mid-Term papers.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern electronic engineering and IT tools including prediction and modeling to complex electronics and communication engineering activities with an understanding of the limitations.

| | | | |
|------------|-------------|-------------|--|
| PO5 | 2.04 | 1.58 | <ul style="list-style-type: none"> • Up gradation of tools and software to fill the gap between industry and academia are required. |
|------------|-------------|-------------|--|

ACTION:

- To upgrade students workshops on **Embedded system, Python programming-based workshop** were organized.
- Seminars and webinars were provided to the students for the implementing of practical knowledge. Seminar on **Artificial Intelligence & Cyber security** were conducted
- To upgrade students, Training Program on **Embedded Systems & Robotics** was organized.
- For the practical hands-on experience technical events **Robo fiesta and Hackathon** were conducted.



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| | | | |
|---|-------------|-------------|--|
| <ul style="list-style-type: none"> For learning of modern tools, a seminar on Learn to code on Python programming language coding was conducted. | | | |
| PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional electronics and communication engineering practice. | | | |
| PO6 | 1.23 | 0.98 | <ul style="list-style-type: none"> Content beyond the syllabus includes subjects related to needs of health safety and social needs of the society. |
| ACTION: <ul style="list-style-type: none"> Students were motivated to take a part in various social events such as Blood donation camp, Zarurat event, Swachha Bharat Abhiyan, Soch and Suhashini club events etc. | | | |
| PO7: Environment and sustainability: Understand the impact of the professional electronics and communication engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | | | |
| PO7 | 1.03 | 0.80 | <ul style="list-style-type: none"> The role of students towards environment and global awareness needs to be improved. |
| ACTION: <ul style="list-style-type: none"> Students were motivated to participate more in social activities and environmental awareness programs. Students were motivated to join the social groups. Various projects allotted to the students to design and provide the solutions of problems related to industrial work, environmental sustainability considerations. | | | |
| PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the electronics and communication engineering practice. | | | |
| PO8 | 1.36 | 1.08 | <ul style="list-style-type: none"> Along with increase in technical knowledge, ethical knowledge was also required in graduates. |
| ACTION: <ul style="list-style-type: none"> Motivational lectures on Self Realization by class coordinators were given to the students. Students were motivated to take a part in various social events such as Blood donation camp, Zarurat event, Swachha Bharat Abhiyan. Ethical learning seminars and webinars were conducted by spiritual research centre, JECRC. Students were motivated to publish research papers ethically in national and international conferences. | | | |
| PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | |
| PO9 | 1.97 | 1.55 | <ul style="list-style-type: none"> Few students were not able to make themselves compatible with other members in a group. |
| ACTION : <ul style="list-style-type: none"> Technical events were organized to enhance leadership qualities in individuals as well as to make them work in team. | | | |

Department of Electronics & Communication Engineering

| | | | |
|--|-------------|-------------|---|
| <ul style="list-style-type: none"> Students were motivated to take a part in various social events such as Blood donation camp, Zarurat event, Swachha Bharat Abhiyan, Soch and Suhashini club events etc. Emphasis was also given to make student projects in group. | | | |
| <p>PO10: Communication: Communicate effectively on complex electronics and communication engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</p> | | | |
| PO10 | 1.87 | 1.48 | <ul style="list-style-type: none"> Communication skills were not up to the mark. |
| <p>ACTION:</p> <ul style="list-style-type: none"> Interaction with industry persons through guest lectures, webinars and seminars. Different HR activity such as Group discussion, Personal Interview, Technical Interview were conducted. For improving presentation skills International and National conferences were organized. For improving communication skills some events such as Techno-in-buzz conducted. | | | |
| <p>PO11: Project management and finance: Demonstrate knowledge and understanding of the electronics & communication engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.</p> | | | |
| PO11 | 1.60 | 1.24 | <ul style="list-style-type: none"> Implementation and feasibility of various projects can be done by properly analyzing and managing them according to the financial availability. |
| <p>ACTION:</p> <ul style="list-style-type: none"> Few classes were organized to understand the basic principles of financial analysis of projects. Sessions from JECRC Incubation Centre (JIC) arranged for students to understand the basics of project and finance management during their startups. | | | |
| <p>PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life- long learning in the broadest context of electronics and communication engineering changes.</p> | | | |
| PO12 | 2.44 | 1.86 | <ul style="list-style-type: none"> Students of 3rd and 4th year need to have conceptual knowledge of few basic and important courses such as Embedded System, Artificial Intelligence and IoTs which will help them in their future jobs. |
| <p>ACTION:</p> <ul style="list-style-type: none"> Video lectures along with detailed course contents (NPTEL-SWAYAM) were held and students were also registered in online courses launched by AICTE. For the lifelong understanding training and workshop were conducted on Embedded System, AI & IoT. An Expert Talk on 'Career Guidance & Future Opportunities After Engineering' by Mr. Ekant Yadav and Mr. Pawan Aggarwal, (Director), SELECTION DESK Academy was organized. | | | |

PSOs Attainment Levels and Actions for Improvement during CAY- (2021-22)

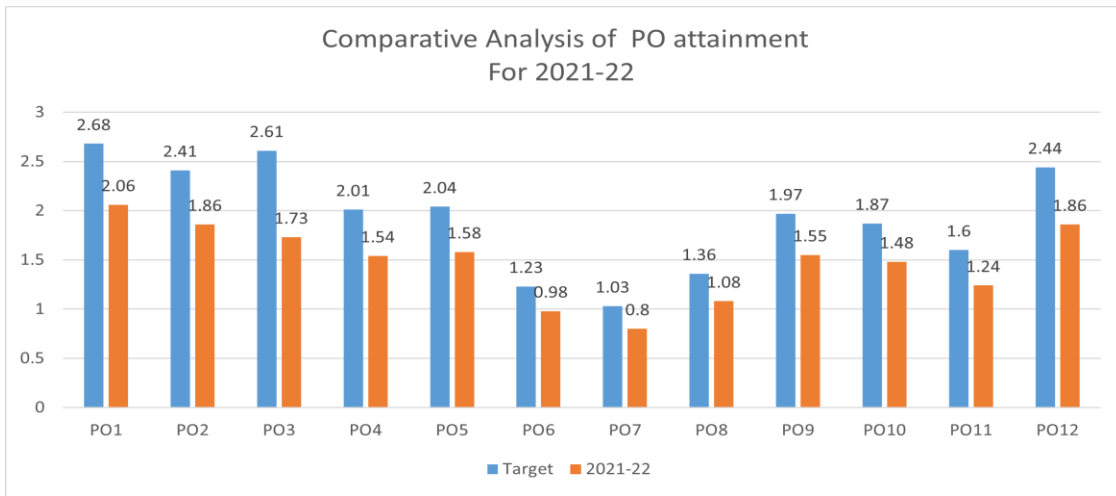


Department of Electronics & Communication Engineering

| PSOs | Target Level | Attainment Level | Observations |
|---|--------------|------------------|---|
| PSO1: Ability to develop knowledge for robotics and its applications. | | | |
| PSO1 | 1.34 | 1.04 | <ul style="list-style-type: none"> Students were requiring knowledge of embedded systems and robotics for their projects in final year of engineering which was not available in curriculum. |
| ACTION: <ul style="list-style-type: none"> Special workshops and seminars were held for the students to increase their understanding of embedded systems and robotics. Student trainings were organized related to Embedded Systems. Department organized various robotics related events in campus to boost the knowledge of robotics | | | |
| PSO2: Ability to apply the concept of IoT for challenges of real world. | | | |
| PSO2 | 1.17 | 0.93 | <ul style="list-style-type: none"> Due to demand of latest technologies in industry students were required to know basics of latest applications of IoTs. |
| ACTION: <ul style="list-style-type: none"> Department organized workshops and seminars based on IoT & its applications to enhance the basic knowledge. | | | |

Table 7.1.1 Comparative Analysis of PO attainment

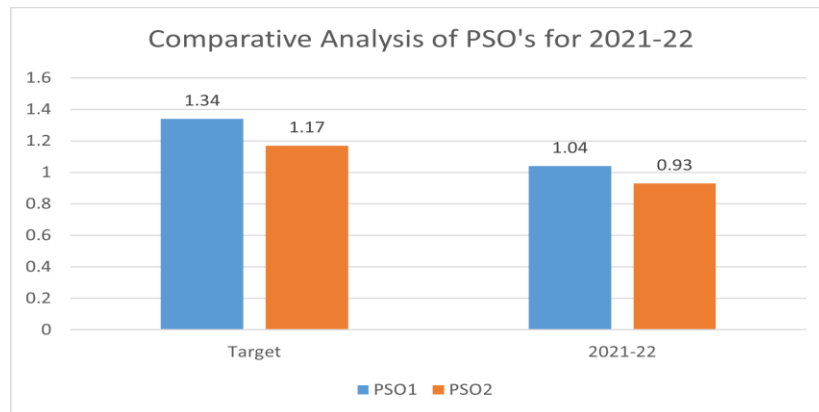
| Comparative Analysis of PO attainment | | | | |
|---------------------------------------|--------|---------|---------|---------|
| PO's | Target | 2021-22 | 2022-23 | 2023-24 |
| PO1 | 2.68 | 2.06 | | |
| PO2 | 2.41 | 1.86 | | |
| PO3 | 2.61 | 1.73 | | |
| PO4 | 2.01 | 1.54 | | |
| PO5 | 2.04 | 1.58 | | |
| PO6 | 1.23 | 0.98 | | |
| PO7 | 1.03 | 0.80 | | |
| PO8 | 1.36 | 1.08 | | |
| PO9 | 1.97 | 1.55 | | |
| PO10 | 1.87 | 1.48 | | |
| PO11 | 1.60 | 1.24 | | |
| PO12 | 2.44 | 1.86 | | |



Graph 7.1. PO Attainment analysis of 2021-22

Table 7.1.1 Comparative Analysis of PSO attainment

| Comparative Analysis of PSO's | | | |
|-------------------------------|--------|---------|--|
| PSO's | Target | 2021-22 | |
| PSO1 | 1.34 | 1.04 | |
| PSO2 | 1.17 | 0.93 | |



Graph 7.2. PSO Attainment analysis of 2021-22

7.1.3.Tool Analysis for Gap identification with PO mapping

| Tool Name | Activity for Tool Assessment | Analysis through Tool | Observation/Gap | Gap Recovery | PO /PSO Attainment |
|---------------------------------|------------------------------|---|---|--|---|
| ACADEMIC ASSESSMENT TOOL | <i>MTT Result</i> | Student performance based on Theory and Practical Exams | Students' Performance below Target* | Assignments, Extra Classes, Invited Talks, Re-Tests, OBTs, etc. | PO1, PO2 |
| | <i>Final RTU Result</i> | | | | |
| | <i>Labs/Experiments</i> | | | | |
| | <i>Projects</i> | Application/Industry based Learning | Students lag in relating theoretical aspects in Practical terms | Project Competitions, Technical trainings, Industry Interaction through visits, etc. | PO3, PO5, PO11, PSO1 , PSO2 |
| | <i>Industrial Trainings</i> | | | | |
| PLACEMENT TOOL | <i>Final Placed Strength</i> | Ability to select for job | Students lacking in communication-skills and Lack of Reasoning Aptitude | Face Classes, Expert talks | PO10, PO12 |
| | <i>Mentoring</i> | Guide the students to enhance the Inter-Personal skills | Counselling sessions required for motivation and grooming up | Class Coordinators, Mentors for Placement, GD/PI Classes, Mocks | PO10, PO12 |
| | <i>Soft-Skills</i> | | | | |
| | <i>Higher Studies</i> | Proportion of students who go for higher education/Govt. Jobs | Very low percentage selection | Govt. Job Portal, Technical talks, Course Material for | PO1, PO2 |
| | <i>PSU/GATE</i> | | | | |

Department of Electronics & Communication Engineering

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| BEYOND CURRICULUM TOOL | | | | higher studies | |
| | Technical Events | Encouragement to implement Theoretical aspects through Participation | Participation in-house and outside college by few students only | Technical Events, Activities beyond syllabus, Technical Seminars | PO2, PO3, PO5, PO9, PO10, PSO 1 |
| | Social Events/Extra Activity | To indulge students in society for Ethics inputs | Need of linkage between social and professional aspects | Blood Donation, Vande Mataram, Clean Campaign, Marathon, etc. | PO6, PO8, PO9 |
| | Conference/Workshops | To impart Research/Industry oriented skill-set along with work-culture | Motivation towards R & D and familiarization with working environment at industries | National/International Conferences, Workshops, Seminars, Industrial visits, etc. | PO1, PO2, PO3, PO4, PO10, PSO 1, PSO 2 |
| | Industrial Visits | | | | |
| E-Resources | Motivation for Universal Learning approaches | Requirement to update students with latest trends and developments in engineering field | Swayam portal, EdX, NPTEL videos/lectures, e-Books, etc | PO1, PO10, PO12 | |

** Target was more than 75% students pass the examination*



Department of Electronics & Communication Engineering

Table 7.1.4. Sample Department Activities during CAY(2021-22)

| Sr.No. | Department Activity | Level of Activity | Number of Participant | PO Attainment |
|---|--|-------------------|-----------------------|---------------------------------------|
| Technical Events | | | | |
| 1 | Formula Zero (A robot race) | National | 109 | PO2, PO3, PO9, PSO1 |
| 2 | Robo Soccer (A robot match) | National | 150 | PO2, PO3, PO9 |
| 3 | Robo Sumo War (A robot fight) | National | 80 | PO2, PO3, PO9 |
| 4 | Renovator | National | 61 | PO2, PO3, PO9 |
| 5 | TechnoInBuzz | National | 35 | PO2, PO3, PO9, PSO1 |
| 6 | 2-Days Workshop cum Hands-on Practice on "Embedded System" | National | 164 | PO2, PO3, PO9 |
| 7 | One Day Workshop on "Learn to code, Design the future" | National | 116 | PO2, PO3, PO9 |
| Industrial Trainings/Industrial Visits/Workshops | | | | |
| 8 | Machine Learning and Data Science using Python | National | 135 | PO1, PO2, PO3, PO5, PSO1 |
| 9 | Embedded System | National | 159 | PO1, PO2, PO3, PO5, PSO1 |
| 10 | Artificial Intelligence | National | 164 | PO1, PO2, PO3, PO5 |
| Seminar/Expert Talk | | | | |
| 11 | A one day Seminar on "Career Guidance & Future Opportunities After Engineering" | National | 68 | PO1, PO2, PO3, PO5, PSO1 |
| 12 | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | National | 123 | PO2, PO3 |
| Conferences/FDP | | | | |
| 13 | 2 nd International Conference on Advances in Materials | International | 120 | PO1, PO2, PO3, PO4, PO10, PSO1 |



Department of Electronics & Communication Engineering

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| | Science, Communication and Microelectronics (ICAMCM-2022) | | | |
| 14 | National Conference on Recent Advancements in Communication, Optical, Nanotechnology (RACON 2022) is being organized at the Department of ECE, JECRC Jaipur, India | National | 210 | PO1, PO3, PO4, PO10, PSO1 |
| 15 | ATAL sponsored 5-Days FDP on Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities | National | 116 | PO12 , PSO2 |

7.2. Academic Audit and actions taken thereof during the period of Assessment (10)

Academic Audit system/process and its implementation in relation to Continuous Improvement

IQAC (Internal Quality Assessment Committee) team

- In the department of Electronics and Communication Engineering, the INTERNAL QUALITY ASSESSMENT COMMITTEE (IQAC) is formed for the Academic audit process.
- Members of this Academic audit IQAC team are consisting of program coordinator and senior faculty members of the department.
- The IQAC team of department monitors and enhances the quality of teaching & learning process and student development process, through appropriate guidelines for both faculty and students.

Goal of Audit

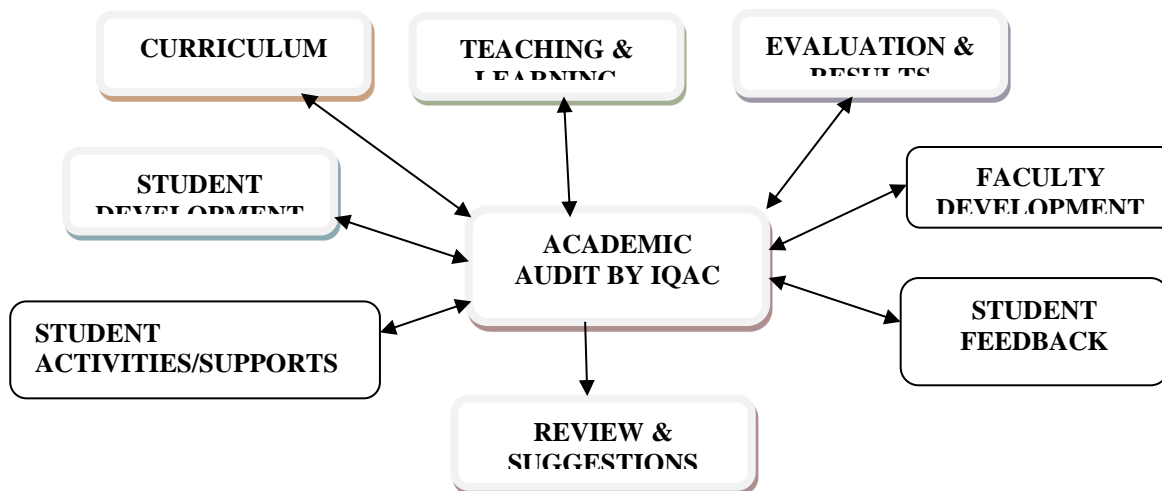
- The IQAC team during Academic Audit process monitor the conduct of the course, adherence to the course plan, time schedule, completion of the syllabus, standard of internal tests and evaluation process, inspection of labs, monitoring of student development programs and also addresses the difficulties faced by students and takes suitable actions.

Frequency of Audit

- The Academic audit process is conducted twice in a year. One audit in each semester.



Department of Electronics & Communication Engineering



TEACHING & LEARNING

- Academic Calendar
- Modes of Teaching
- Course File

EVALUATION & RESULTS

- Mid Term Question Papers
- Examination
- Assignments

FACULTY DEVELOPMENT

- Improvement in Qualification
- Publications
- Seminar/FDPs/Workshops

STUDENT DEVELOPMENT

- Skills Development
- Collaborative Programs
- Industry Interactions

STUDENT ACTIVITIES/SUPPORTS

- Mentoring
- Career Development
- Alumni Support

Flow chart representation of Academic Audit Process by IQAC team

Followings are the team member of IQAC for CAY (2021-22)

| S.NO. | Name | Designation | Responsibilities |
|-------|-------------------|---------------------|------------------|
| 1 | Dr. Sandeep Vyas | Professor | Chair |
| 2. | Dr. S. K. Singh | Professor | Member |
| 3. | Dr. Parul Tyagi | Associate Professor | Member |
| 4. | Dr. Vinita Mathur | Associate Professor | Member |



Department of Electronics & Communication Engineering

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| 5. | Dr. Girraj Sharma | Associate Professor | Member |
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Following are the findings during Academic Audit Process by IQAC team in CAY(2021-22)

AUDIT: 01 Internal Audit



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INTERNAL AUDIT CORRECTION REPORT

Department of Electronics & Communication Engineering

| | | | |
|------------------|---|-----------------|--|
| DQAC | 1) Dr. Sandeep Vyas 2) Dr. S. K. Singh 3) Dr. Vinita Mathur 4) Dr. Parul Tyagi 5) Dr. Girraj Sharma | DATE | 11.06.2022 |
| PROCESS | Academic Process | | |
| Auditors | Dr. Sanjay Gaur Program Coordinator (Dept. of Computer Science Engineering) | Auditees | Department of Electronics & Communication Engineering |
| Observers | Dr. S. S. Manaktala (Associate Professor, ECE Dept.) Dr. Vijeta Kumawat (Associate Professor, CSE Dept.) | | |

Academic year 2021-22

| S. No. | Observation | Status | Correction |
|--------|--|----------|--|
| 1 | All Academic Process | Complete | Map the activities with POs and COs so as to achieve the objectives defined in PEOs. And identify the areas which need to be addressed in planning for the next academic session. |
| 2 | Course File | Complete | All course-files need to be made available in department library so that student's performance subject-wise can be evaluated and also to learn from the results and plan the next time catering all shortcomings. |
| 3 | PO and PEOs and CO and PSO's | Complete | Every year, the COs of all subjects need to be discussed in department so as to come-up with any modifications needed and plan every course with its curriculum gap as per industry requirements. |
| 4 | Mapping | Complete | Mapping of all activities along with curriculum and beyond-curricula to the Program Objectives need to be done in a manner to identify new methodologies to propose for achievement of vision and mission of the institute in upcoming sessions. |
| 5 | Student Feedback Analysis Index | Complete | Feedback-Summary report for every subject need to be discussed by DQAC to come up with a solution-plan that must be executed timely within the remaining |



| | | | |
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| | | | session so that its effects can be seen in university-results as well as student-satisfaction. |
| 6 | Industry Feedback Analysis Index | Complete | For improving the placements, Industry feedback must be taken for their requirements and where exactly the students are as per the curricula. Targeted action must be planned so that desired technologies can be taught and any internships in this regard can be planned. |
| 7 | Alumni Feedback Analysis Index | Complete | Interaction meetings shall be carried out as per a scheduled program, fulfilling the motive to achieve placement guidance sessions as well as training sessions. Attendance to be made compulsory and Indemnity forms must be taken by students who are not interested in attending these sessions. |
| 8 | Remedial Lectures/Mentoring File | Complete | With respect to every grievance through mentorship assistance, remedial measures must be shared with a scheduled program through some notice and summary of every lecture/activity in this regard must be maintained. Also, outcome must also be done on some test and evaluation basis. |
| 9 | Advance Learners | Complete | For associating advance learners, Faculties must be identified along with activities for prior planning of events and a tentative schedule must be shared with authorities and tracking for execution as well as outcomes must also be maintained. |
| 10 | Slow Learners' Efforts Taken | Complete | Slow learners must be motivated first to get their subjects passed with some extra lectures for solving the RTU papers and some model question papers. Second planning must be for the final year students to get them placed at least in one company before appearing for final exams. Plan for these two must be shared with authorities in start of every semester. |
| 11 | Add-On Courses | Complete | Add-On courses must be planned with an objective to get each and every student of the department get placed by equip them with all the knowledge of technologies-in-demand in companies/industries. For the same, Requirement analysis and training program must be planned for throughout the session with regular in-between mock-evaluations. |
| 12 | Seminars/Guest Lectures | Complete | Outcome of seminars and guest lectures must be mapped with program outcomes. Attendance to be made compulsory and some activities must be planned after every session in order to explore more on the topics/technologies/ideas discussed. |
| 13 | Social Activities/ Ethical/ Moral Value Education | Complete | Values has to imparted through a variety of practical sessions where students can learn our society, its linkage, necessity, moral aspects and the responsibilities. Eco-system needs to be taught through |

Department of Electronics & Communication Engineering

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| | | | variety of activities and report for the same shall be maintained. |
| 14 | Higher Education Data | Complete | Students who have got their selection even after passing-out from college need to be tracked by the SDO in coordination with Alumni office so as to get updated with the numbers and the institutions and kind of studies they are presently into. |
| 15 | Internship Data | Complete | Students must be provided with a list of technologies to get insight of and companies where they can be well trained so as to equip well for Placement ahead. In-house internship must be encouraged in order to achieve a targeted plan for preparing them for future Year-wise plan must be prepared well before start of semester and at the end Technology-wise data shall be maintained. |
| 16 | STUDENT FIBRE YEAR Project | Complete | List of Projects, as per various problems defined by government through Hackathons, DST, etc., must be proposed by the department along with Guides in prior and students need to work throughout the year to carry-out the tasks so as to submit them as a solution for the problems. This can generate an opportunity to showcase the talent-pool and get the funds for patent-level projects. |
| 18 | All Files (Sample Tested) | Complete | All files submitted to the department must be checked for formatting as well as correctness and completeness of the data asked for. Tagging must also be done so as to provide quick-access. Department must assign the task to get all files verified by one or two designated faculty for the same. |
| 19 | Previous Students' Punched Old Files, Exam Record | Complete | At least 5 set of checked practical notebooks/files, Assignment sheets, Seminar reports, Project reports, etc. and Mid-Term Examination sheets and End-term Practical Examination sheets of current and previous academic year must be there with the department. |
| 20 | Existing Submission | Complete | All the data in soft-copy must also be uploaded on google drive after getting it verified from DQAC. And a final report of the same must be submitted to the authorities. |
| 21 | Training needed Identification Teaching, Non-Teaching | Complete | Planning of some trainings and workshops for faculty and technical staff and that too before commencement of new session and areas to be taken care of along with outcome to achieve must be made and submitted to authorities. Every semester faculty and technical staff must attend at least 2 such activities and department ensure their presence by possible alterations in timetable wherever desired. |
| 22 | Budget | Complete | In the end of every semester, requirement analysis must |


Department of Electronics & Communication Engineering

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| | | | be done for every lab in the department with proper audit and the same in prescribed format must be submitted on time to authorities, in order to keep the upcoming labs updated and with all equipment, kits, components whether hardware or software, etc. available there. |
| 23 | Library Details | Complete | In every semester, Department must prepare list of books, journals, magazines and other texts that are required for students and faculty by collecting the requirement from faculty/technical staff to cover next semester subjects, laboratories and any co-curricular activity. Soft-copy of available texts in department library as well as college library must be made available to every student and faculty as a link or file. |
| 24 | FDP/Publications | Complete | Department must provide a list of FDPs and conferences to be held in upcoming academic year to all faculty so as improve awareness. After completing every FDP, faculty must be asked to submit a summary report to the department. In case of publications/ Patent/ Project/ Webinar/ Seminar, faculty must submit certificate of participation along with the front page of the paper presented/Summary report of Patent/ Project/ Webinar/ Seminar. File of the same must be available in department. |
| 25 | Curricular and Co-Curricular Activities | Complete | Academic Calendar must include all the curricular and Co-Curricular activities with names of coordinators. After completion of every such event, summary report with all certificates and photographs must be available in department in soft-copy. Outcome of these activities must also be made clear to students so that they can be motivated for large number of participations with full enthusiasm. |


Dr. Sansi Gaur
 Head of the Department
 (Auditor)
 Computer Science & Engineering
 Program Coordinator
 Computer Science Dept.


Dr. S. S. Manaktala
 (Observer)
 Associate Prof., ECE Dept.


Dr. Vijeta Kumawat
 (Observer)
 Associate Prof., CSE Dept.



 Head of the Department
 Electronics & Communication Engineering
 Program Coordinator

Electronics & Communication Engineering

Principal


PRINCIPAL
 Jalpur Engineering College &
 Research Centre
 Jalpur, Jalpur-302022

AUDIT: 02 External Audit



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Department of Electronics & Communication Engineering
Format for Academic Audit (2021-22)

Name of the Department: Electronics & Communication Engineering
Date: 15.06.2022

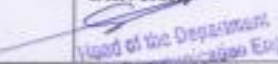
Name, Designation and Address of Academic Audit Experts:

1. **Name:** Mr. Sachin Atray
Designation: Branch Head
Affiliation: Numeric UPS, Jaipur
2. **Name:** Dr. Paresh Vyas
Designation: Professor and Head
Affiliation: Department of Mathematics
 University of Rajasthan, Jaipur

Members of Staff Present:

1. Dr. Sandeep Vyas
2. Dr. S. K. Singh
3. Dr. Vinita Mathur
4. Dr. Parul Tyagi
5. Dr. S. S. Manaktala
6. Dr. Giriraj Sharma
7. Dr. Ashutosh Sharma

| Criterion | Items | Verification Yes / No | Comments | Suggestions for improvement |
|---------------|--|--------------------------|--|---|
| 1. Curriculum | Steps followed in the designing of Syllabus & Curriculum | Yes | RTU affiliated college so syllabus and curriculum are designed by Rajasthan Technical University | Suggestion letters must be sent to the university for any amendment and correction in curriculum if suggested by IQAC with regular discussions with IQAC members. |



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| | Contents of the Curriculum | Yes | As per the suggestions of Department Quality Assurance Committee, additional topics included in every to fill the gap between Industry needs and Institutional teaching. | Classified persons from other institutions and industries can be approached to suggest content to be added as per the current industry need. |
| | Validation Done | Yes | Curriculum design and dissemination is verified with course-plan and CO-PO mapping. | Every lecture must start with what previously taught so that the link can be formed with and also in the end, what to be discussed in next lecture shall also be included with its significance. Also, areas where that study is in actual use in physical world must be included. |
| | Credits Allotted / Distribution-Logie | Yes | Break-up of marks for Term examinations (Theory as well as Practical) is based on CO analysis and is done by Subject-faculty under guidance of DQAC. | Adopted scheme is helpful but must be given some marks on the basis of Projects done relevant to every subject to promote application-based learning. |
| 2. Curriculum Transaction | Teaching Methods & | Yes | Along with the regular Classroom teaching through | Open Book Exams and Library utilization-based |

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| | Teaching Aids | | chalk-board, various other methods are also utilized for imparting effectiveness to deliver the contents e.g., Presentations, Video lectures, Co-Teaching and also with use of Online methods are also used e.g., WebEx /Zoom /Google Classroom etc. with the help of e-content, webinars etc. | learning is effective method for providing Application of concept-teaching, it must be promoted. |
| | E-learning Modules | Yes | Content from NPTEL/ Swayam/ YouTube Video Lectures, etc. are included in every subject for up-level understanding of the topics. | Live sessions through Expert faculties from other universities and experts from Industry must be included. |
| | Project Work UG/PG | Yes | 40 Projects in IV year under curriculum and approximately 30 projects including approx. 150 students have submitted their ideas as IOT and Embedded based Projects after getting training from UpFlair. | Level of Hardware projects of IV year is not very good. They must include the utilization of current and advanced technologies and languages. Also, some DST based or Govt. funding projects must be grabbed so that upper level of work can be made reality. |

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| | Internal Assessment Components - Uniqueness | Yes | Mid-term papers are CO-based and the evaluation justifies the performance to be judged on every component so that Program Outcomes and subsequently Program Educational Objectives can be achieved effectively. | Practical learning-based questions must be given a separate credit so that the students are evaluated as per their practical applicability approach. |
| | Student Support - Remedial Coaching | Yes | Faculty Coordinators for every section and Faculty Mentor on every student (in a group of 20 students) is there to take care of student's performance for educational concepts, Skill improvement and Personal upliftment. | All grievance related to any kind whether Study related, Career related, Motivation related or Personal must be maintained with every student coordinator or mentor so as to keep a track of individual performance in all aspects. |
| | Parents Open House Meeting- Evaluation of Student's Progress | Yes | Every semester 1 parent-teacher meeting is conducted to inform the parents about the progress of student and to ask for any suggestions they want to give for any improvement | Mentor-Parents meetings are too less, they have to be increased so as to keep parents aware of student performance so that in between semesters they get ample time to improve on them. |

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Electronics & Communication Engineering
JECRC, Jaipur*



Department of Electronics & Communication Engineering



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| | | | in the process adopted. | |
| | Feedback from Students | Yes | Students give their feedback on delivery of topics; related problem resolve and suggestion handling is coordinated by mentors and also taken through feedback-form filling. | Grievance Report and supportive measures provided shall be maintained in hard-copy. |
| | Steps taken on the Feedback | Yes | Concerned issues that have come-up through PTMs and Student Feedbacks are put to DQAC and as per the suggestion, action plan is executed. | Support system and addressing of the feedback issues is not very clear. It shall be well documented with valid proofs. |
| 3. Faculty Profile | Projects Completed /On Going | Yes | A total of 9 Patents on various technological advancements are there with the department faculty for session 2021-22. | A USP for the department. It is time to work on some funded government research projects and prove your expertise there too. |
| | Seminars/ Conferences Attended | Yes | 29 International conferences have been attended by faculty. One national conference is attended by every faculty here in college. Many | Good number in terms of international conferences. Need to put some support system by department so that it can benefit Faculty in attending Seminars and Talks in |


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 Electronics & Communication Engineering
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Department of Electronics & Communication Engineering



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
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| | | | webinars are attended by faculty. | physical outside Rajasthan too. |
| | Papers/ Articles/ Books Published | Yes | 29 papers in international conferences/Journals are published by faculty. One Book with ISBN number have been also published by faculty. 55 Papers in National conference have been published by faculty. | Good number of leveled Papers but faculty must be motivated to write books of a variety of subjects with good publishers. |
| | FDP/ RC/ OC/ Training Program/ Workshop | Yes | Every faculty have participated in Online FDPs and workshops (59 in all) | Almost all FDPs and workshops have been done in Online mode. A financial support system shall be there so that faculty can attend good workshops on trending technologies in Physical mode so that its learning can benefit other staff and students. |
| | Preparation of E-learning Materials / Content | Yes | PDFs, PPTs, Videos of subject-topics and videos of lab-experiments, etc. are there for students on JECRC portal. | Faculty shall prepare the topics in PPT form so that Chalk-duster mode can be reduced and the majority of studies can be done through electronic mode, it will reduce the time to deliver. And the time so extracted be utilized in |


[Signature]
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| | | | | application-based learnings; open book exams, project-based learnings, etc. |
| | Acted as Resource Persons | Yes | Faculties as a resource person served as Examiners/ conference Chairs/ for Expert Lectures etc. | Faculty engaging themselves to other institutions and industries is very less in number. It suggests that department faculty are not in touch with outside world and not capable of sharing their expertise and subsequent learning. |
| 4. Profile of Students | Demand Ratio (Applications Received versus Sanctioned Strength) | Yes | 565/720 | Demand Ratio after calculation comes out to be 78.5% which is very less. Department shall have the reasons for non-filling and strategy for filling up to 100% which is missing. |
| | Students Involvement in Extra-Curricular & Co-Curricular Activities | Yes | All students have participated in various activities in multiple events/activities like Webinars, Invited Talks (191 students), Workshops (280 students), Project exhibition (130 students with 34 projects), conferences (330 | Most of the student participation is in-campus. It does not reflect the real competitiveness among students or it also suggests that students are hesitant to participate outside and needs lot of motivation and support-system to showcase their skills. |


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| | | | students), Add-on courses (458 students), technical events (400 students), and many more to showcase their technical/non-technical skills and to enhance and polish themselves, throughout the session 2021-22. | |
| | Study Tour/ Industrial Visits/ Exhibitions/ Internship/ Trainings | Yes | Students as Interns attended trainings in variety of companies to get insight of various technologies/fields. The numbers are: 180 (2 nd year), 223 (3 rd year) and 155 (4 th year). | Reports for every internship attended by students shall be there with the department so that formal documentation can be learned. Also, there isn't any Industrial Tour or Visit, which is an essential component in getting the experience of work culture, ethics and applicability of the theory subjects defined in curriculum. |
| | Achievements | Yes | Students have performed very well in inter-department competitions in-campus and some more achievements are there in Inter-college competitions held | Students of the department shall motivate to be updated with the events and for participation. Also add the students in variety of technical-groups to track and prepare a strategy for |

[Signature]
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| | | | in a variety of technical as well as co-curricular and extra-curricular activities. | this. |
| 5. Infrastructure in the Department | No. of Classrooms | Yes | 9 Lecture Theatres for 10 Sections | Number of lecture rooms are sufficient but as the time is changing, so there is need to have smart-classrooms with all supporting equipment. |
| | No. of Laboratories | Yes | 10 Branch specific Laboratories, 3 Computer Laboratories and 2 additional Laboratories for Club activities | Smart boards and Virtual lab facilities shall be introduced. For club activities, more fund be provided as it can enhance the facilities which in-turn result in developing advanced real-time projects. |
| | No. of Computers - for Teachers | Yes | Each lab has 4 computer systems dedicated for use of faculty. Additional facilities for faculty include Wi-Fi, printers and scanner. | Number of computer systems in each lab is sufficient but they shall be upgraded in terms of RAM, operating system, software, etc. |
| | No. of Computers - for Students | Yes | A total of 72 plus computer systems are there which are distributed among 3 Computer Labs with 24 systems in every lab. All PCs are installed with windows and other | Number of computer systems in each lab is sufficient but they shall be upgraded in terms of RAM, operating system, licensed software, etc. |

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|-----------------------------|---|-----|---|---|
| | | | required software with LAN connectivity. Additional computer systems are there in state-of-art labs with interfacing facilities. | |
| | No. of Computers - Research Scholars | Yes | PCs dedicated to faculty have been utilized by them for their research work too as they are equipped with additional software required for the purpose. | Number of computer systems for research work is sufficient but they shall be upgraded in terms of RAM, operating system, licensed software, etc. LaTeX must be installed. Advanced trainings shall also be provided to faculty. |
| | No. of Instruments | Yes | Every laboratory has required number of Instruments so as to execute all the university defined experiments in a group of 3 or 4 students. Almost all laboratories have additional Instruments so that experiments other than curriculum can also be performed. | In majority of laboratories, Instruments and equipment are not updated, need to purchase new Instruments. |
| 6. Activities of the | MoUs signed | Yes | An MOU is signed with "UpFlair" for Embedded and IOT | Need to sign these MOUs to exist for long term in years. |


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|-------------------|-----------------------|---------------|--|---|
| Department | | | related Trainings and a Project-exhibition has also conducted in this session. Another MOU is with Elsevier for International Conference. | And more activities be planned in variety of areas not limiting to project making. Also, MOUs related to some research work shall also be signed with some good organization. |
| | Consultancy | Not Available | Due to physical classes continuing after corona-time, faculty were much engaged with students and other assignments that is why faculty of the department was not much involve in this. | In spite having a rich knowledge base with the department, if they are not trying for making themselves available for the society, it is not a good practice. Faculty must make their way and extract some time for this domain too as it will benefit them in their growth as well as relation with professional groups. |
| | Collaborations | Yes | Department has collaborated with UpFlair, a centre for Research and Product development. Here, in collaboration with the centre, department have provided an opportunity to learn and exercise on novel tools and come-up with applications in problem-solving | Collaboration with UpFlair proved to be a great initiative in enriching the students with upgrading themselves on tool-handling for project development and the project-competition under this had very good execution of ideas. |


(Signature)
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|--|--|-----|---|---|
| | | | through projects. | |
| | Association Meetings | Yes | Associations are there for conferences in department Optica Student chapter and IETE Student chapter. | Associations are well but there is not much of activities which can prove its utility in students' perspective. |
| | Guest lectures | Yes | A large number of webinars approx. 15, expert-talks and guest-lectures (Approx. 10) were there in this session delivered on a vast range of topics related to technical advancement. | Efforts were good, but number of physical activities c.g., seminars, expert lectures, workshops must be increased. Also, experts from other renowned institutions and industries be approached to speak on latest technologies in use there and about familiarizing the students with work-culture. |
| | Conference/Seminar/Workshop Conducted | Yes | 1 National Conference with 55 papers and 1 International Conference with 45 papers, 2 Invited talks, 2 Workshops, 3 Add-on courses, 1 FDP and 4 Technical events are conducted by the department. | Very impressive figures that shows the department's skill but still a lagging is there in output as after having such activities, still the students' participation outside college is very less in showcasing technical skills. Also, activities must have some vision with respect to either enhancing the students or the faculty. |


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|--|--|-----|--|---|
| | Extension Activity | Yes | <p>Many extension activities have been executed during the session 2021-22 such as Engineer's Day celebration, Teacher's Day celebration, Hindi-Divas, Women's Day celebration, International Yoga Day, Blood donation camp, Tree plantation, etc.</p> | <p>Initiatives to serve the society by being with them is missing. Department must plan and execute various separate activities so that their standalone participation can be entitled. Activities can also be planned in schools for awareness and knowledge enhancement and career guidance as well as helping them to deliver good projects at school level.</p> |
| | Interaction with Industry/ Research Centres/ Educational Institutions | Yes | <p>Industry personal for Expert lectures, Course content designing and For Placements related</p> | <p>Continuous interactions and involvement are not there which can be encouraged. Interactions must cover all the aspects of education, engineering, career ahead, industrial exposure, work culture there, how to plan their future, etc.</p> |
| | Newsletters/ Magazine | Yes | <p>One newsletter in both semesters named "Ujjwalam" is released which showcase the conducted activities, student and faculty participation and</p> | <p>Newsletter every semester emphasising on activities conducted only. It must rather relate with what has gained and to whom it served. Also, it shall be informative also on</p> |



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| | | | achievements. | technological advancements in world, preparation after graduation, preparation for placements, competitive exams, some meditation aspects, etc. so that every student and faculty wait for its release and can extract something that help them all. |
| | Placement | Yes | 113 Out of 155 students (65%) | More than 70 % placement is a good percentage with average package of lac per annum but need some more efforts to bring this percentage to approach 100%. |

Please comment on SWOT Analysis:

Strength:

- Knowledge base in terms of faculty members and technical staff is very good, active and enthusiastic in delivering the content in effective ways and also in improving the student's performance as well as motivating them to access the opportunities.
- Methodology adopted for identifying the gap areas and effective delivery of curriculum along with the beyond curriculum topics along with current technologies and other general aptitude to equip the students with ample diversified knowledge that can help them in their career as well as in their results.
- Course-plan, Examinations and Evaluation is based on achieving the course outcomes that is very advantageous in letting the students aware of the applications and prepare themselves for competitive environment.
- Students are encouraged to participate in variety of activities e.g., Hackathon, Project-competitions, conference Paper writing, etc. to enhance their abilities of applicability of aspects learned and professional content writing is much appreciable.

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Weakness:

- Faculty are less in interaction with outside world and due to the same, they lag in updating themselves towards technological advancements, latest tools, Research areas and also linkage with professional societies and faculty.
- Students outside participation is also very less which is a much required so as to establish a student-exchange relationship for mutual learning, technology access, applying the skill-set and come-up with some product development.

Opportunities:


- Having an ample resource of knowledgeable faculty, the department must capture the government funded projects to work upon which can be a highlight.
- Department must motivate the students as well as faculty on financial ground and also in providing facilities for external participation in skill utilization and enhancement.
- Students can be associated with some companies and industries as interns for long duration during their graduation where they can learn professional ethics and technologies that are in current use there.
- Department must sign some MOUs related to exchange programs with other eminent universities and some industries for providing trainings, internships and placements further.

Challenges:

- To upgrade the laboratories not only to cater the curriculum needs but to impart research aptitude through modern tool-utilization.
- Students must be prepared through additional workshops to be perfect enough technically, communication-wise, personality-wise and professional attitude-wise, to be competent enough for placements, higher education, competitive examinations and other areas after successfully graduating from the college, right from the first year of engineering.

Best Practice(s) / Innovations of the Department:

- Writing papers by students for conference on their projects.
- Preparing the final year students with dedicated classes, practice-tests, personality development activities and mock interviews for placements.


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Future of the Department:

- With 550 plus students and 40 plus faculty and technical staff, Department of Electronics & Communication Engineering is heading towards reaching new heights in placing the students in elite companies, improving the results, delivering the courses with effective methods of teaching-learning by identifying the gaps and catering them through approach of outcome-based education.
- Department has started to involve the students by associating them with faculty mentors to work in direction of research, project development and content writing which in no time surely lead the department to grab funded projects, to publish good student papers and to get patents based on their efforts in innovation.
- Department is planning to associate faculty along with student-groups for Student and faculty exchange programs, project and product development, information-sharing and counselling programs with schools, cultural and social associations with society through some programs, consultation services to external entities and collaborations with companies and industries; all these will undoubtedly put the department on front foot and able to be recognised as a leader globally on technological, professional and social ground.

Signature of the HOD with Seal



15/6/2022
Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Signature of the Academic Audit Experts

1. Name: SACHIN ATRAY

Signature: 

2. Name: Prof. Parash Vyas

Signature: 


PRINCIPAL
Jaipur Engineering College &
Research Centre
New Road, Jaipur-302022

Professor & Head
Department of Mathematics
University of Rajasthan
Jaipur

Documents which are verified by the Academic audit committee

List of documents:

1. Students Batch List
2. Departmental Academic Calendar
3. Class Time Table, Faculty Time Table and Master Time Table
4. Teachers' Diary for all the courses (Theory, practical, seminar and projects etc.)
5. Course Files
6. Lab manuals for practical courses
7. Mid-Term paper
8. Final semester project reports
9. Department technical activities
10. Internships/ Industrial visits/ Summer training / Workshops/ Industrial Interaction
11. Details of student's placements, Higher education etc.
12. Students feedback reports
13. Continuous learning activities of faculty (FDP, Publications etc.)

7.3. Improvement in Placement, Higher Studies and Entrepreneurship (10)

Assessment is based on improvement in:

- Placement: number, quality placement, core industry, pay packages etc.
- Higher studies: performance in GATE, GRE, GMAT, CAT etc., and admissions in premier institutions.

Table 7.3.1. Placement Details: (2021-22)

| S.No. | Year | Total No of Students | Total No. of Students Placed | Percentage of student Placed |
|-------|---------|----------------------|------------------------------|------------------------------|
| 1 | 2021-22 | 155 | 103 | 66.4 |

Table 7.3.2 Placement Quality CAY 2021-22

| S.No. | Year | Highest package | Lowest package |
|-------|---------|-----------------|----------------|
| 1 | 2021-22 | 12.3 | 3 LPA |

Table 7.3.3 Placement data for the year 2021-22(CAY)

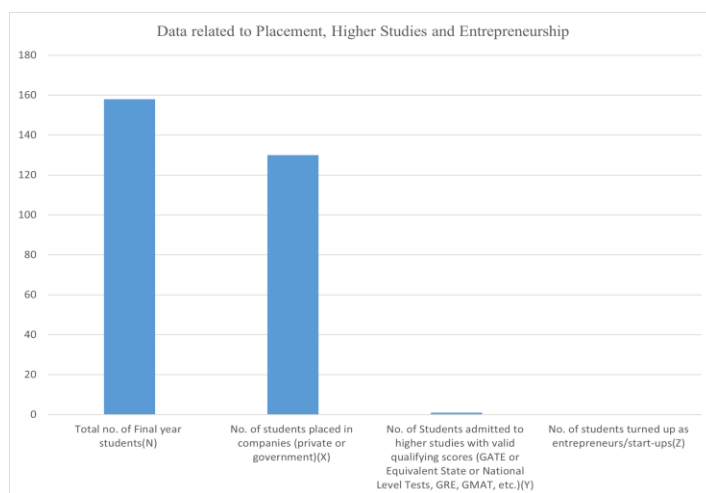
| Sr.No | Company name | No. of students placed | Package (In lacs) |
|-------|-------------------------------|------------------------|-------------------|
| 1 | Accenture | 13 | 4.5-6.5 LPA |
| 2 | Addweb solution | 1 | 2.4 LPA |
| 3 | Appcino Technologies Pvt Ltd | 4 | 4.5LPA |
| 4 | Capgemini | 22 | 4-7.5 LPA |
| 5 | Celebal Technologies | 2 | 5 LPA |
| 6 | Cloud Analogy | 7 | 3.5 LPA |
| 7 | Coforge | 3 | 3.6 LPA |
| 8 | Competenza Innovare Pvt. Ltd | 1 | 1.5 LPA |
| 9 | Cyntexa | 1 | 4.3 LPA |
| 10 | Espoir Network pvt Ltd | 3 | 3 LPA |
| 11 | Flitwebs | 2 | 3 LPA |
| 12 | HPE | 2 | 12 LPA |
| 13 | Infosys | 3 | 3.5 - 6.5 LPA |
| 14 | Jalan Technologies Consulting | 2 | 6 LPA |
| 15 | Just Dial | 1 | 3 LPA |
| 16 | Kogta Financial India Limited | 2 | 5 LPA |
| 17 | LTI | 6 | 5 LPA |

Department of Electronics & Communication Engineering

| | | | |
|----|---------------------------|----|----------|
| 18 | Meditab Software | 8 | 4.25 LPA |
| 19 | Metacube Software Pvt Ltd | 10 | 7 LPA |
| 20 | Nagarro | 1 | 7 LPA |
| 21 | Planet spark | 4 | 7 LPA |
| 22 | Pratham Software | 1 | |
| 23 | Square yards | 1 | 4.5 LPA |
| 24 | Tcs | 13 | 3.36 LPA |
| 25 | Thrillophilia | 1 | 3.5 LPA |
| 26 | TRACTION ON DEMAND | 1 | 6 LPA |
| 27 | Wipro | 39 | 3.5 LPA |
| 28 | YUDIZ SOLUTIONS PVT LTD | 2 | 3 LPA |
| 29 | ZS | 2 | 12.3 LPA |

Table 7.3.4. Data related to Placement, Higher Studies and Entrepreneurship

| Item | CAY(2021-22) |
|---|--------------|
| Total no. of Final year students(N) | 158 |
| No. of students placed in companies (private or government)(X) | 130 |
| No. of Students admitted to higher studies with valid qualifying scores (GATE or Equivalent State or National Level Tests, GRE, GMAT, etc.)(Y) | 1 |
| No. of students turned up as entrepreneurs/start-ups(Z) | 0 |
| Total(X+Y+Z) | 131 |
| Placement Index (X+Y+Z)/N | 0.83 |



Graph 7.3.1 Data related to Placement, Higher Studies and Entrepreneurship

7.4. Improvement in the quality of students admitted to the program (10)

Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

Table 7.4.1 : Data related to quality of students admitted to the program

| Item | | CAY (2021-22) |
|--|--------------------------|--------------------------|
| National Level Entrance Examination(JEE) | No. of Students admitted | NA |
| | Opening Score/Rank | NA |
| | Closing Score/Rank | NA |
| State/University/Level Entrance Examination/Others | No. of Students admitted | 138 |
| | Opening Score/Rank | 100 (7458 REAP Admitted) |
| | Closing Score/Rank | 53.33 (Direct Admitted) |
| Name of the Entrance Examination for Lateral Entry or Lateral entry details | No. of Students admitted | 0 |
| | Opening Score/Rank | NA |
| | Closing Score/Rank | NA |
| Average CBSE/Any other Board Result of admitted students (Physics, Chemistry & Maths) | | 237 (82.40%) |

Department of Electronics & Communication Engineering

| | | |
|--------------------|-----------------------------|-----------|
| CRITERION 8 | First Year Academics | 50 |
|--------------------|-----------------------------|-----------|

8.1 First Year student faculty Ratio (5) Data for first year courses to calculate FYSFR

| Year | No. of students (Approved intake strength) | No. of faculty members (Considering fractional load) | FYSFR | Assessment = (5×20)/Average FYSFR (Limited to Max. 5) |
|----------------|---|---|--------------|--|
| 2021-22 | 990 | 46 | 21.52 | 4.64 |
| 2020-21 | 990 | 50 | 19.8 | 5.05 ≈ 5 |
| 2019-20 | 990 | 50 | 19.8 | 5.05 ≈ 5 |
| Average | 990 | 48.66 | 20.37 | 4.88 |

Table 8.1.1

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Assessment of qualification = $(5X+3Y)/RF$, X = No. of Regular Faculty with Ph.D., Y = No. of Regular Faculty with Post Graduate qualification, RF = No. of faculty members required as per SFR of 20:1, faculty definition as define in 5.1

| Year | X | Y | RF | Assessment of faculty qualification (5X+3Y)/RF |
|---------------------------|----|----|------|--|
| 2021-22 | 20 | 26 | 49.5 | 3.59 |
| 2020-21 | 21 | 29 | 49.5 | 3.87 |
| 2019-20 | 31 | 19 | 49.5 | 4.28 |
| Average Assessment | | | | 3.91 |

Table 8.2.1



8.3 First Year Academic Performance (10)

Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks in First Year of all successful students/10)) x(number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the second year.

First Year Academic Performance is shown in the table below:

| SR.NO. | CAY | Academic Performance (10 SCALE) |
|--------|----------------|---------------------------------|
| 1. | 2021-22 SEM-I | 9.9 |
| 2. | 2020-21 SEM-I | 8.8 |
| 3. | 2020-21 SEM-II | 9.9 |
| 4. | 2019-20 I SEM | 6.18 |
| 5. | 2019-20 II SEM | 9.3 |

Table 8.3.1: Academic Performance

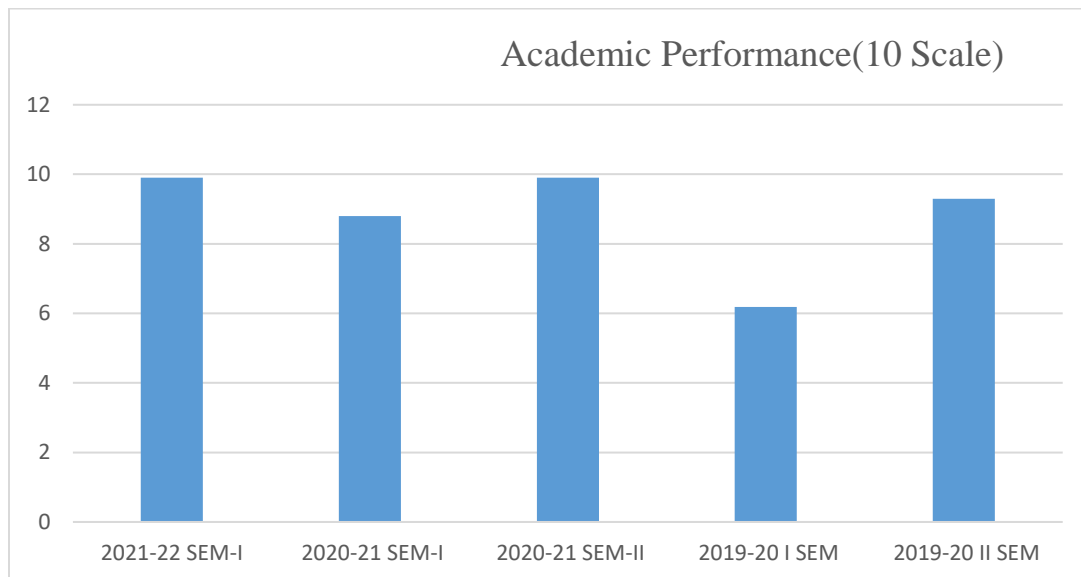


Chart 8.3.1: Academic Performance

Department of Electronics & Communication Engineering

ACADEMIC PERFORMANCE (10 SCALE)

| Year | SUBJECT | No. of Students | Passed | Mean of % | 10 SCALE |
|-----------------|---------------------------------|-----------------|--------|-----------|----------|
| 2021-2022 I SEM | Human Values | 387 | 377 | 97.15 | 9.46 |
| | Communication Skills | 361 | 347 | 96.12 | 9.23 |
| | Engineering Physics | 361 | 266 | 73.8 | 5.40 |
| | Engineering Mathematics-I | 750 | 544 | 72.53 | 5.26 |
| | Basic Civil Engg | 387 | 260 | 67.18 | 4.51 |
| | Programming for Problem Solving | 387 | 334 | 88.2 | 7.61 |
| | Engineering Chemistry | 387 | 332 | 88 | 7.54 |
| | Electrical Engineering | 361 | 264 | 73.4 | 5.36 |
| | Basic Mechanical Engineering | 361 | 314 | 86.98 | 7.56 |

Table 8.3.2 Academic Performance 2021-22(SEM-I)

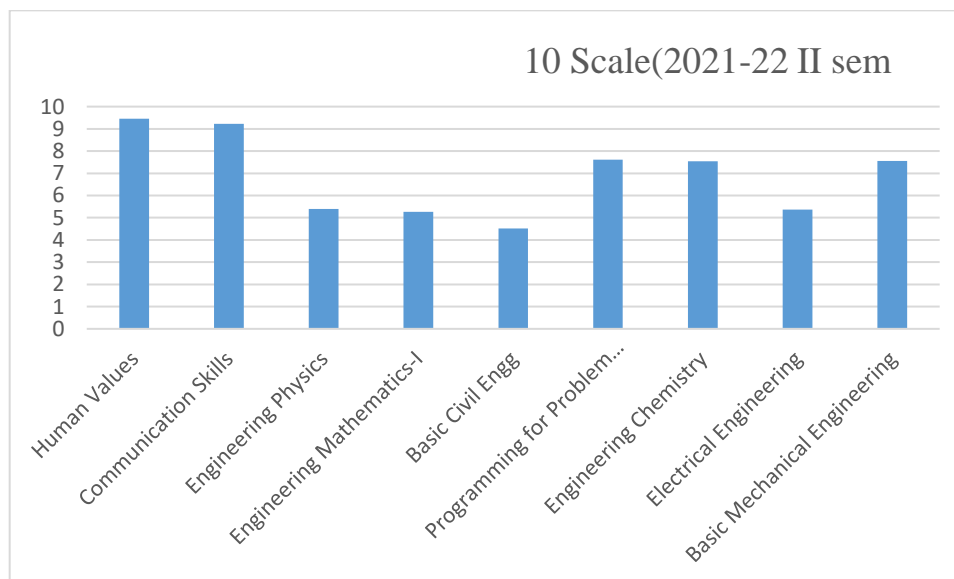


Chart 8.3.2: Academic Performance 2021-22(SEM-I)

Department of Electronics & Communication Engineering

| YEAR | SUBJECT | No. of Students | Passed | Mean of % | 10 scale |
|---------------|---------------------------------|-----------------|--------|-------------|----------|
| 2020-21 I SEM | Human Values | 515 | 515 | 100 | 10 |
| | Communication Skills | 452 | 450 | 99.5 | 9.90 |
| | Engineering Physics | 448 | 445 | 99.55 | 9.88 |
| | Engineering Mathematics-I | 959 | 957 | 99.79 | 9.95 |
| | Basic Civil Engineering | 515 | 515 | 100 | 10 |
| | Programming for Problem Solving | 515 | 515 | 100 | 10 |
| | Engineering Chemistry | 516 | 516 | 100 | 10 |
| | Electrical Engineering | 444 | 441 | 99.32 | 9.86 |
| | Basic Mechanical Engineering | 444 | 442 | 99.54954955 | 9.91 |
| | AVERAGE | | | | |

Table 8.3.3 Academic Performance 2020-21 (SEM-I)

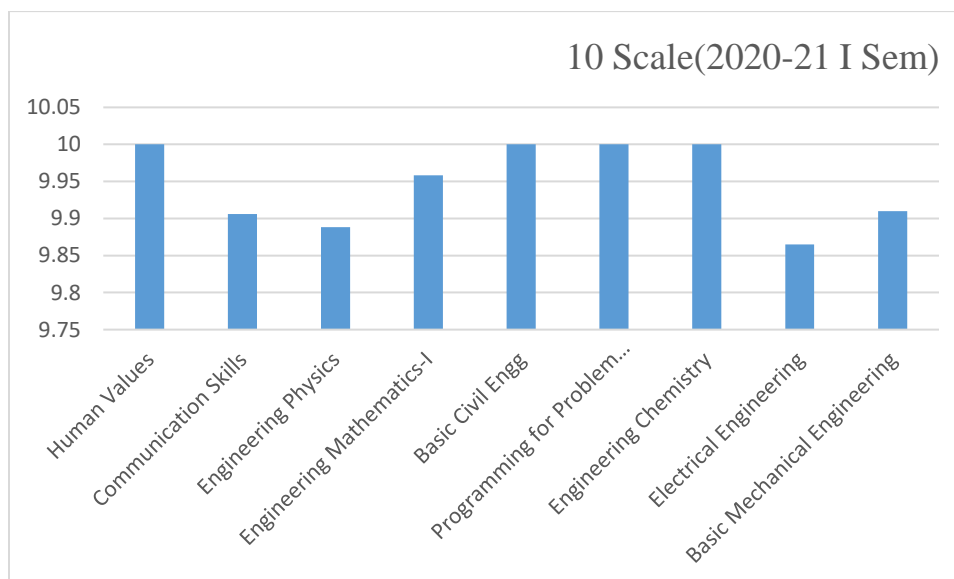


Chart 8.3.3: Academic Performance 2020-21-(SEM-I)

Department of Electronics & Communication Engineering

| YEAR | SUBJECT | 10 scale |
|--------------------------|---------------------------------|----------|
| 2020-21 IISEM | Human Values | 9.86 |
| | Communication Skills | 10.00 |
| | Engineering Physics | 10.00 |
| | Engineering Mathematics-II | 9.94 |
| | Basic Civil Engg | 9.86 |
| | Programming for Problem Solving | 9.86 |
| | Engineering Chemistry | 9.86 |
| | Electrical Engineering | 10.00 |
| | Basic Mechanical Engineering | 10.00 |

Table 8.3.4 Academic Performance 2020-21 (SEM-II)

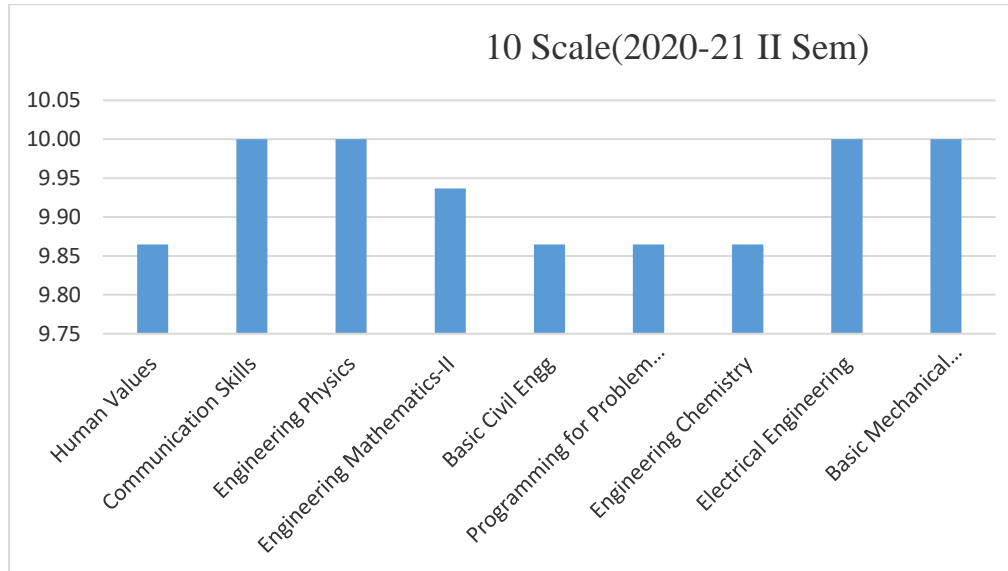


Chart 8.3.4: Academic Performance 2020-21 (SEM-II)

Department of Electronics & Communication Engineering

| YEAR | SUBJECT | No. of Students | Passed | Mean of % | 10 scale |
|---------------|---------------------------------|-----------------|--------|-----------|-------------|
| 2019-20 I SEM | Human Values | 448 | 425 | 94.8 | 8.99 |
| | Communication Skills | 451 | 428 | 94.9 | 9 |
| | Engineering Physics | 444 | 274 | 61.72 | 3.80 |
| | Engineering Mathematics-I | 891 | 592 | 66.44 | 4.41 |
| | Basic Civil Engineering | 378 | 364 | 96.29 | 9.27 |
| | Programming for Problem Solving | 449 | 335 | 75 | 5.59 |
| | Engineering Chemistry | 436 | 362 | 83 | 6.89 |
| | Electrical Engineering | 450 | 256 | 56.88 | 3.23 |
| | Basic Mechanical Engineering | 465 | 309 | 66.5 | 4.41 |
| | AVERAGE | | | | 6.18 |

Table 8.3.5 Academic Performance 2019-20 (SEM-I)

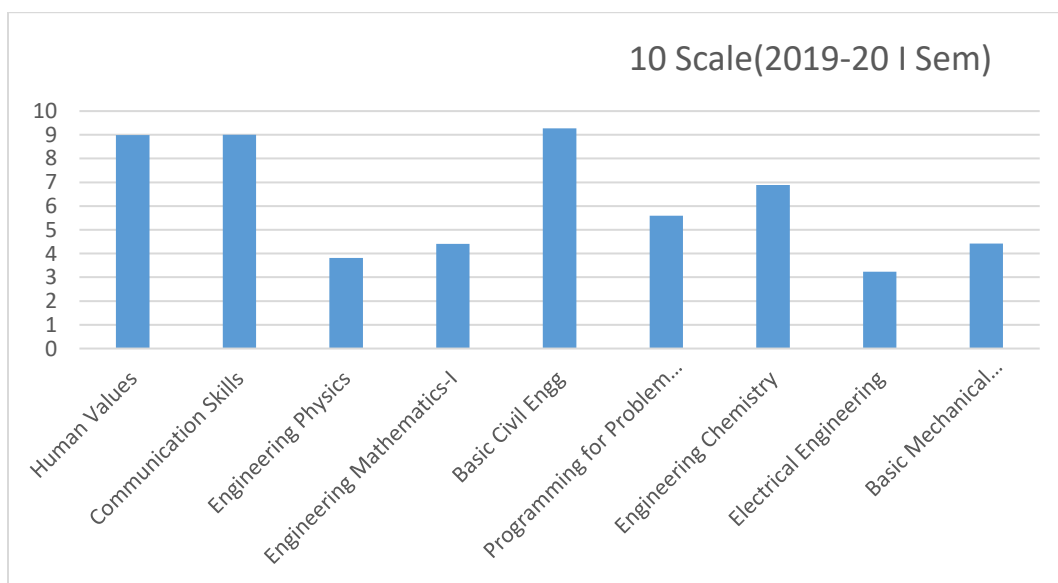


Chart 8.3.5: Academic Performance 2019-(I SEM)

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| YEAR | SUBJECT | No. of Students | Passed | Mean of % | 10 scale | |
|---------------------------|---------------------------------|-----------------|--------|-----------|----------|------------|
| 2019-20 II SEM | Human Values | 447 | 423 | 94.6 | 8.95 | |
| | Communication Skills | 433 | 418 | 96.53 | 9.31 | |
| | Engineering Physics | 446 | 435 | 97.34 | 9.49 | |
| | Engineering Mathematics-II | 889 | 851 | 95.73 | 9.16 | |
| | Basic Civil Engineering | 446 | 439 | 98.43 | 9.68 | |
| | Programming for Problem Solving | 446 | 425 | 95.29 | 9.08 | |
| | Engineering Chemistry | 457 | 440 | 96.2 | 9.26 | |
| | Electrical Engineering | 447 | 440 | 98.43 | 9.68 | |
| | Basic Mechanical Engineering | 456 | 434 | 95.17 | 9.05 | |
| | AVERAGE | | | | | 9.3 |

Table 8.3.6 Academic Performance 2019-20 (SEM-II)

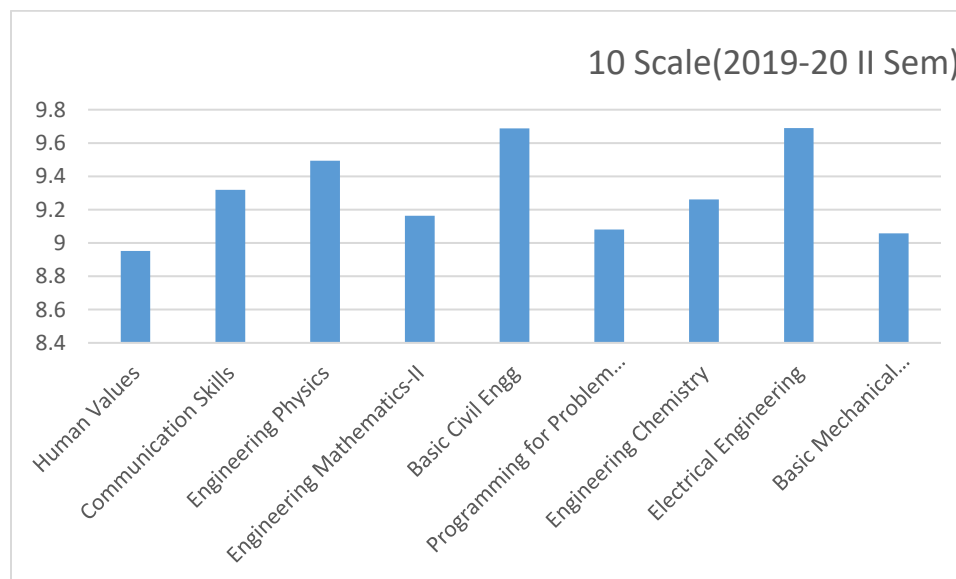


Chart 8.3.6: Academic Performance 2019-(SEM-II)

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of course outcomes of first year is done (5)

The assessment process to gather the data for the evaluation of course outcome is as follows:

1. The assessment at first year has two parts i.e.
 - (a) Internal Assessment
 - (b) External Assessment
2. Internal Assessment: It includes two Mid Term Tests, Assignments & Presentations based on course outcomes.
3. Evaluation of these tests is done to determine the performance of students and recorded as co analysis/attainment. The weightage of internal assessment is kept 20%.
4. External Assessment: It is done from the performances of students in end term examination which consist of a weightage of 80 %. As the information on performance in Semester End Term Examination of each student in individual CO is not available, so the Institution/Department has taken the CO attainment for any CO by calculating average marks and taking that value for all COs of the course.

Attainment of CO in a course = 80% of attainment in end term examination + 20% of attainment in internal assessment*

* Internal assessment = Attainment in midterm examination + assignment & presentations

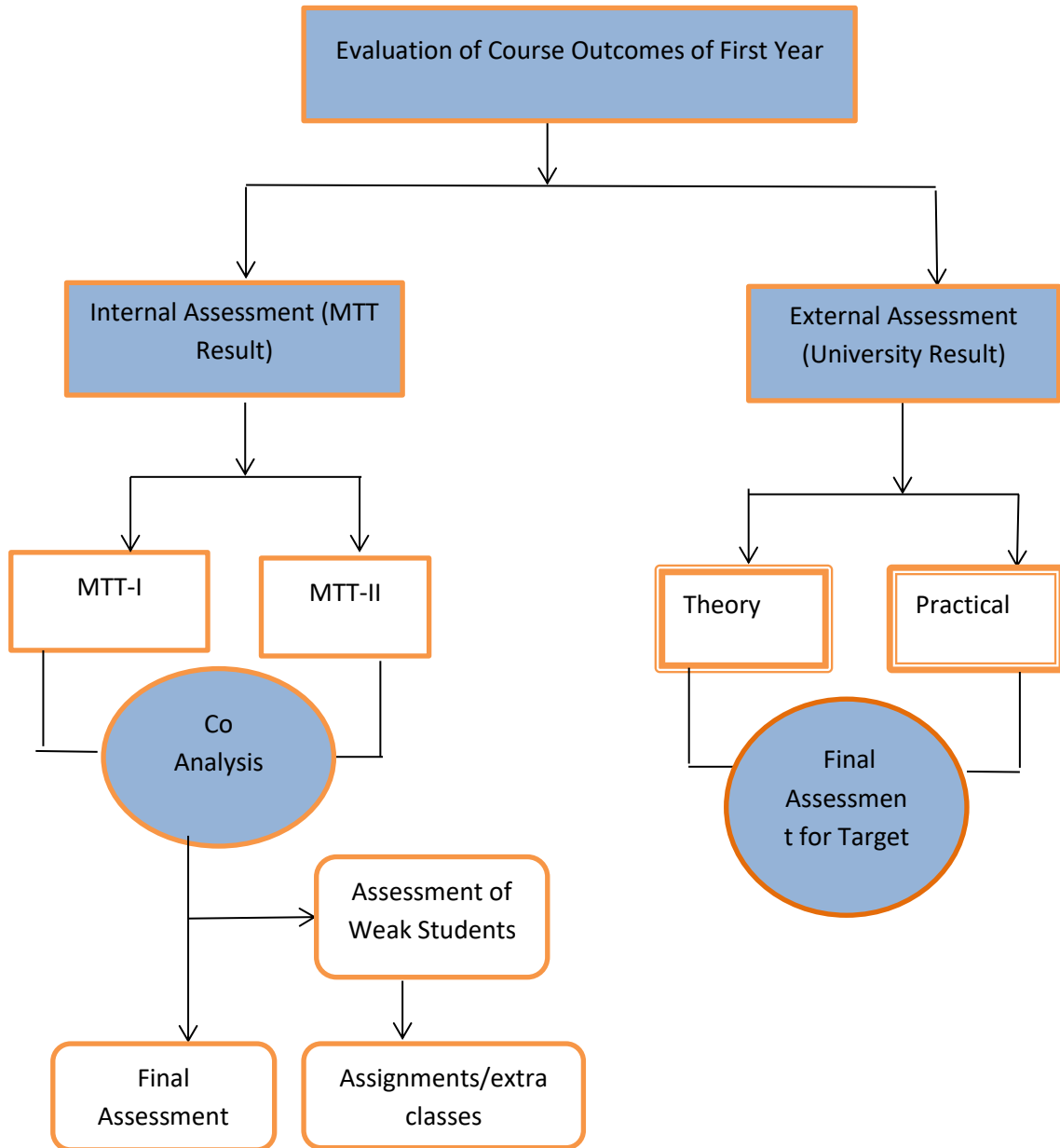
5. Assessment tools and distribution of marks for each theory & laboratory course is as follows:

| Assessment Tool | Maximum Marks | Weightage |
|--|---------------|-----------|
| Internal assessment exam (Avg. 2 Mid Term Tests) | 50 | 20% |
| Assignment | 10 | |
| Presentations | 10 | |
| Every day lab session (Continuous evaluation) Each experiment of 10 marks | 30 | 60% |
| Laboratory Internal Examination | 30 | |
| End Term Examination- Theory | 70 | 80% |
| End Term Examination- Laboratory | 40 | 40% |

Table 8.4.1: Distribution of Marks for Theory & Lab Courses Evaluation



Flow Chart: The Process of assessment for evaluation of Course Outcomes



8.4.2. Record the attainment of Course Outcomes of all first year courses(5)

Program shall have set attainment levels for all first year courses.

Department of Electronics & Communication Engineering

(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect the COs of a subject plus the performance in the University examination)

8.4.2.1: Target attainments for the CAYm3, CAYm2 & CAYm1 are as follows:

| Academic Year | Target |
|---------------|--------|
| CAYm3 | 60% |
| CAYm2 | 60% |
| CAYm1 | 60% |

Table 8.4.2.1

8.4.2.2: Following table shows the attainment of course outcome

| <u>CO ATTAINMENT FOR YEAR 2021-22(Sem-I)</u> | | | | | |
|--|---------------------------------|----------------|-----------|-----------|--------------|
| Subject Code | Subject Name | Course Outcome | RTU (80%) | MTT (20%) | TOTAL (100%) |
| | | | x | y | .8x+.2y |
| 1FY2-01 | Engineering Mathematics-I | CO-1 | 24.69 | 30.9 | 25.93 |
| | | CO-2 | 24.69 | 21.35 | 24.02 |
| | | CO-3 | 24.69 | 33.68 | 26.486 |
| | | CO-4 | 24.69 | 16.44 | 23.04 |
| 1FY2-02 | Engineering Physics | CO-1 | 36.54 | 41.33 | 37.5 |
| | | CO-2 | 36.54 | 37.16 | 36.66 |
| | | CO-3 | 36.54 | 52.66 | 39.76 |
| | | CO-4 | 36.54 | 27.83 | 34.8 |
| 1FY2-03 | Engineering Chemistry | CO-1 | 42 | 54.16 | 44.432 |
| | | CO-2 | 42 | 40.62 | 41.724 |
| | | CO-3 | 42 | 60 | 45.6 |
| | | CO-4 | 42 | 59.2 | 45.44 |
| 1FY2-04 | Communication Skills | CO-1 | 96.12 | 45.8 | 86.05 |
| | | CO-2 | 96.12 | 33.8 | 83.65 |
| | | CO-3 | 96.12 | 51.2 | 87.13 |
| 1FY1-05 | Human Values | CO-1 | 52.15 | 75.54 | 56.828 |
| | | CO-2 | 52.15 | 67.84 | 55.288 |
| | | CO-3 | 52.15 | 71.29 | 55.978 |
| 1FY1-06 | Programming For Problem Solving | CO-1 | 51.6 | 30.7 | 47.42 |
| | | CO-2 | 51.6 | 27.4 | 46.76 |
| | | CO-3 | 51.6 | 43 | 49.88 |
| | | CO-4 | 51.6 | 22.3 | 45.88 |



Department of Electronics & Communication Engineering

| | | | | | |
|---------|-------------------------------------|------|-------|-------|--------|
| 1FY3-07 | Basic Mechanical Engineering | CO-1 | 70.48 | 70.11 | 70.41 |
| | | CO-2 | 70.48 | 63.39 | 69.06 |
| | | CO-3 | 70.48 | 64.43 | 69.27 |
| | | CO-4 | 70.48 | 59.69 | 68.32 |
| 1FY3-08 | Basic Electrical Engineering | CO-1 | 43.33 | 28.33 | 40.33 |
| | | CO-2 | 43.33 | 18.66 | 38.396 |
| | | CO-3 | 43.33 | 11.33 | 36.93 |
| 1FY3-09 | Basic Civil Engineering | CO-1 | 39.79 | 79.61 | 47.75 |
| | | CO-2 | 39.79 | 70.92 | 46.02 |
| | | CO-3 | 39.79 | 84.34 | 48.70 |
| | | CO-4 | 39.79 | 70.6 | 45.95 |
| 1FY2-20 | Engineering Physics Lab | CO-1 | 98.98 | 98.98 | 98.98 |
| | | CO-2 | 98.98 | 98.98 | 98.98 |
| 1FY2-21 | Engg. Chemistry Lab | CO-1 | 100 | 100 | 100 |
| | | CO-2 | 100 | 100 | 100 |
| | | CO-3 | 100 | 100 | 100 |
| 1FY2-22 | Language Lab | CO-1 | 99.9 | 99.9 | 99.9 |
| | | CO-2 | 99.9 | 99.9 | 99.9 |
| | | CO-3 | 99.9 | 99.9 | 99.9 |
| 1FY2-23 | Human Values Activities | CO1 | 100 | 100 | 100 |
| | | CO2 | 100 | 100 | 100 |
| | | CO3 | 100 | 100 | 100 |
| 1FY3-24 | Computer Programming Lab | CO1 | 98.7 | 98.7 | 98.7 |
| | | CO2 | 98.7 | 98.7 | 98.7 |
| | | CO3 | 98.7 | 98.7 | 98.7 |
| 1FY3-25 | Manufacturing Practices Workshop | CO1 | 97.75 | 98.67 | 98.96 |
| | | CO2 | 97.75 | 98.67 | 98.96 |
| | | CO3 | 97.75 | 98.67 | 98.96 |
| | | CO4 | 97.75 | 98.67 | 98.96 |
| 1FY3-26 | Basic Electrical Engineering Lab | CO1 | 100 | 100 | 100 |
| | | CO2 | 100 | 100 | 100 |
| | | CO3 | 100 | 100 | 100 |
| 1FY3-27 | Basic Civil Engineering Lab | CO1 | 98.19 | 98.64 | 98.28 |
| | | CO2 | 98.19 | 98.72 | 98.30 |
| | | CO3 | 98.19 | 97.99 | 98.15 |
| 1FY3-28 | Computer Aided Engineering Graphics | CO1 | 99 | 93.82 | 97.96 |
| | | CO2 | 99 | 91.42 | 97.48 |
| | | CO3 | 99 | 93.25 | 97.85 |
| | | CO4 | 99 | 91.05 | 97.41 |
| 1FY3-29 | Computer Aided Machine Drawing | CO1 | 98.78 | 97.3 | 98.48 |
| | | CO2 | 98.78 | 97.22 | 98.47 |
| | | CO3 | 98.78 | 96.73 | 98.37 |
| | | CO4 | 98.78 | 93.82 | 97.79 |

Table 8.4.2.2: CO Attainment 2021-22 Semester-I



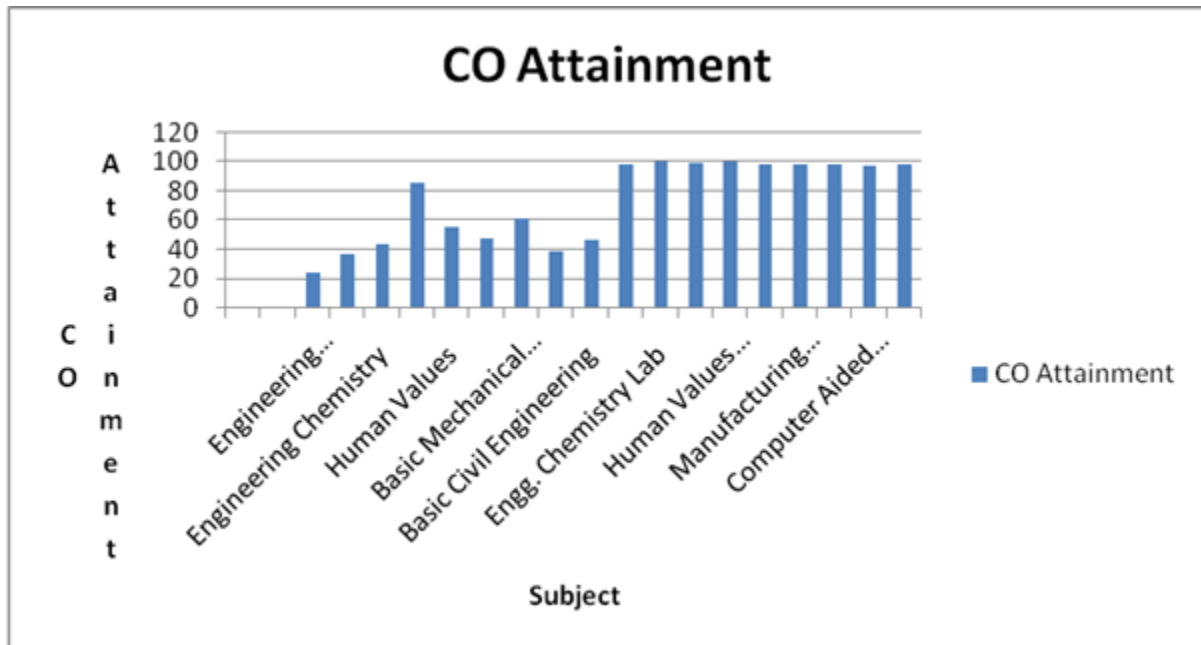


Chart 8.4.2.1:CO attainment 2021-22 I Sem

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| CO ATTAINMENT FOR YEAR 2020-21(Sem-I) | | | | | |
|---|---------------------------------|----------------|-----------|-----------|--------------|
| Subject Code | Subject Name | Course Outcome | RTU (80%) | MTT (20%) | TOTAL (100%) |
| | | | x | y | .8x+.2y |
| 1FY2-01 | Engineering Mathematics-I | CO-1 | 99.06 | 96 | 98.45 |
| | | CO-2 | 99.06 | 45 | 88.25 |
| | | CO-3 | 99.06 | 95 | 98.25 |
| | | CO4 | 99.06 | 44 | 88.05 |
| 1FY2-02 | Engineering Physics | CO-1 | 98.93 | 80.98 | 95.34 |
| | | CO-2 | 98.93 | 79.82 | 95.108 |
| | | CO-3 | 98.93 | 62.8 | 91.704 |
| | | CO-4 | 98.93 | 50 | 89.144 |
| 1FY2-03 | Engineering Chemistry | CO-1 | 99.48 | 98.85 | 99.354 |
| | | CO-2 | 99.48 | 95.61 | 98.706 |
| | | CO-3 | 99.48 | 85.99 | 96.782 |
| | | CO4 | 99.48 | 89.29 | 97.442 |
| 1FY2-04 | Communication Skills | CO-1 | 99.06 | 93.84 | 98.016 |
| | | CO-2 | 99.06 | 93.4 | 97.928 |
| | | CO-3 | 99.06 | 75.38 | 94.324 |
| 1FY1-05 | Human Values | CO-1 | 99.06 | 93.84 | 98.016 |
| | | CO-2 | 99.06 | 93.4 | 97.928 |
| | | CO-3 | 99.06 | 75.38 | 94.324 |
| 1FY3-06 | Programming For Problem Solving | CO-1 | 95.83 | NA | 95.83 |
| | | CO-2 | 95.83 | 94.6 | 95.584 |
| | | CO-3 | 95.83 | 56.8 | 88.024 |
| | | CO-4 | 95.83 | 40.6 | 84.784 |
| 1FY3-09 | Basic Civil Engineering | CO-1 | 98.96 | 99 | 98.968 |
| | | CO-2 | 98.96 | 99 | 98.968 |
| | | CO-3 | 98.96 | 83 | 95.768 |
| | | CO-4 | 98.96 | 78 | 94.768 |
| 1FY2-21 | Engg. Chemistry Lab | CO-1 | 99.38 | 100 | 99.504 |
| | | CO-2 | 99.38 | 100 | 99.504 |
| | | CO-3 | 99.38 | 100 | 99.504 |
| 1FY1-23 | Human Values Activities | CO-1 | 99.58 | 100 | 99.664 |
| | | CO-2 | 99.58 | 100 | 99.664 |
| | | CO-3 | 99.58 | 100 | 99.664 |
| 1FY3-24 | Computer Programming Lab | CO-1 | 97.29 | 100 | 97.832 |
| | | CO-2 | 97.29 | 100 | 97.832 |
| | | CO-3 | 97.29 | 100 | 97.832 |
| 1FY3-27 | BCE Lab | CO1 | 99.17 | 100 | 99.336 |



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| | | | | | |
|---------|------|-----|-------|-------|--------|
| | | CO2 | 99.17 | 100 | 99.336 |
| | | CO3 | 99.17 | 100 | 99.336 |
| 1FY3-28 | CAEG | CO1 | 96.56 | 92.43 | 95.734 |
| | | CO2 | 96.56 | 92.43 | 95.734 |
| | | CO3 | 96.56 | 84.76 | 94.2 |

Table 8.4.2.3: CO Attainment for 2020-21 Semester-I

Department of Electronics & Communication Engineering

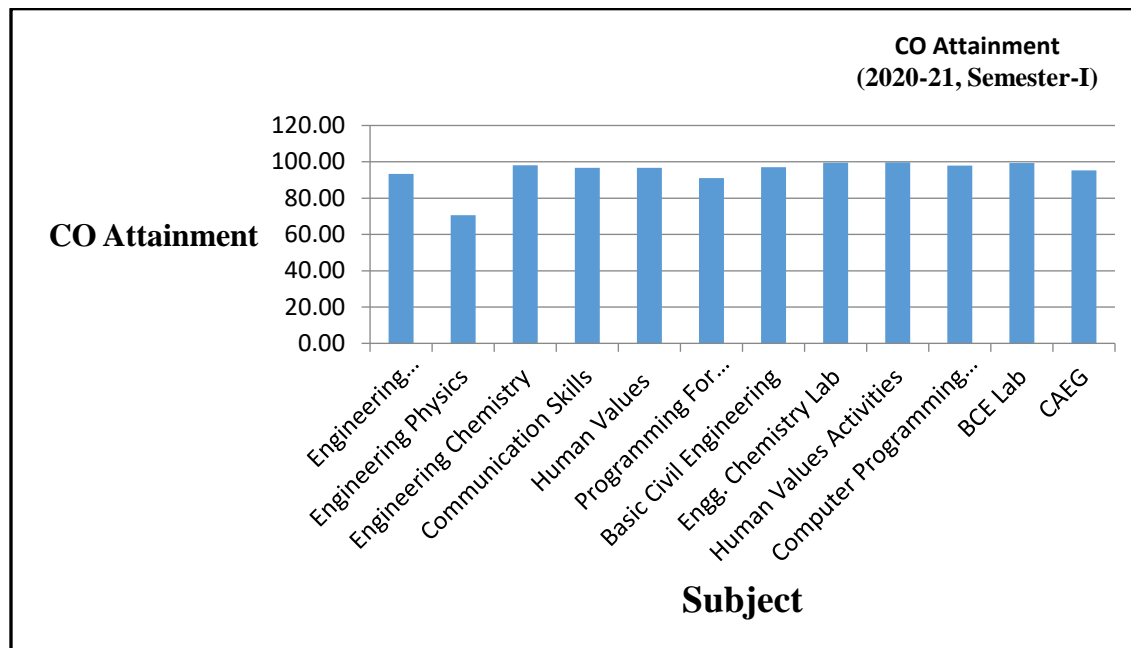


Chart 8.4.2.3: CO Attainment for 2020-21, Semester-I

CO ATTAINMENT FOR YEAR 2020-21(Sem-II)

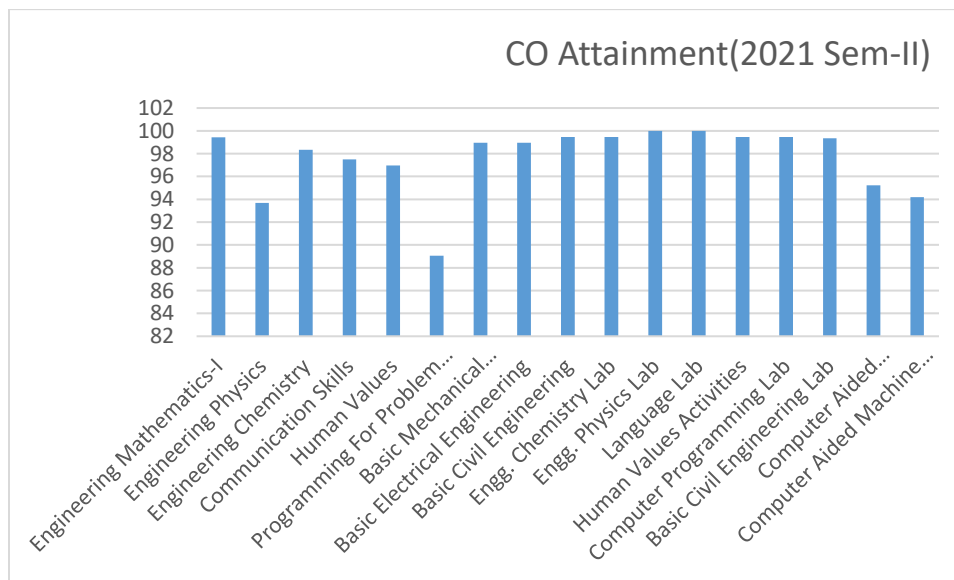
| Subject Code | Subject Name | Course Outcome | RTU (80%) | MTT (20%) | TOTAL (100%) |
|--------------|---------------------------|----------------|-----------|-----------|--------------|
| | | | x | y | .8x+.2y |
| 1FY2-01 | Engineering Mathematics-I | CO-1 | 79.83 | 19.21 | 99.04 |
| | | CO-2 | 79.83 | 19.60 | 99.44 |
| | | CO-3 | 79.83 | 19.6 | 99.43 |
| | | CO4 | 79.83 | 20.00 | 99.83 |
| 1FY2-02 | Engineering Physics | CO-1 | 80.00 | 16.20 | 96.20 |
| | | CO-2 | 80.00 | 15.96 | 95.96 |
| | | CO-3 | 80.00 | 12.56 | 92.56 |
| | | CO-4 | 80.00 | 10.00 | 90.00 |
| 1FY2-03 | Engineering Chemistry | CO-1 | 79.86 | 19.77 | 99.63 |
| | | CO-2 | 79.86 | 19.12 | 98.98 |
| | | CO-3 | 79.86 | 17.20 | 97.05 |
| | | CO4 | 79.86 | 17.86 | 97.71 |
| 1FY2-04 | Communication Skills | CO-1 | 80.00 | 18.77 | 98.77 |
| | | CO-2 | 80.00 | 18.68 | 98.68 |
| | | CO-3 | 80.00 | 15.08 | 95.08 |
| 1FY1-05 | Human Values | CO-1 | 79.46 | 18.77 | 98.22 |
| | | CO-2 | 79.46 | 18.68 | 98.14 |



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| | | | | | |
|---------|-------------------------------------|------|-------|-------|--------|
| | | CO-3 | 79.46 | 15.08 | 94.53 |
| 1FY3-06 | Programming For Problem Solving | CO-1 | 79.46 | NA | 79.46 |
| | | CO-2 | 79.46 | 18.92 | 98.38 |
| | | CO-3 | 79.46 | 11.36 | 90.82 |
| | | CO-4 | 79.46 | 8.12 | 87.58 |
| 1FY3-07 | Basic Mechanical Engineering | CO-1 | 80.00 | 18.55 | 98.97 |
| | | CO-2 | 80.00 | 19.00 | 98.97 |
| | | CO-3 | 80.00 | 9.48 | 98.97 |
| | | CO-4 | 80.00 | 8.54 | 98.97 |
| 1FY3-08 | Basic Electrical Engineering | CO-1 | 80.00 | 19.80 | 98.97 |
| | | CO-2 | 80.00 | 19.80 | 98.97 |
| | | CO-3 | 80.00 | 16.60 | 98.97 |
| | | CO-4 | 80.00 | 15.60 | 98.97 |
| 1FY3-09 | Basic Civil Engineering | CO-1 | 79.46 | 20.00 | 99.46 |
| | | CO-2 | 79.46 | 20.00 | 99.46 |
| | | CO-3 | 79.46 | 20.00 | 99.46 |
| | | CO-4 | 79.46 | 20.00 | 99.46 |
| 1FY2-21 | Engg. Chemistry Lab | CO-1 | 79.46 | 20.00 | 99.46 |
| | | CO-2 | 79.46 | 20.00 | 99.46 |
| | | CO-3 | 79.46 | 20.00 | 99.46 |
| 1FY2-22 | Engg. Physics Lab | CO-1 | 80.00 | 20.00 | 100.00 |
| | | CO-2 | 80.00 | 20.00 | 100.00 |
| | | CO-3 | 80.00 | 20.00 | 100.00 |
| 1FY1-23 | Human Values Activities | CO-1 | 79.46 | 20.00 | 99.46 |
| | | CO-2 | 79.46 | 20.00 | 99.46 |
| | | CO-3 | 79.46 | 20.00 | 99.46 |
| 1FY3-24 | Computer Programming Lab | CO-1 | 79.46 | 20.00 | 99.46 |
| | | CO-2 | 79.46 | 20.00 | 99.46 |
| | | CO-3 | 79.46 | 20.00 | 99.46 |
| 1FY3-27 | Basic Civil Engineering Lab | CO1 | 79.46 | 20.00 | 99.34 |
| | | CO2 | 79.46 | 20.00 | 99.34 |
| | | CO3 | 79.46 | 20.00 | 99.34 |
| 1FY3-28 | Computer Aided Engineering Graphics | CO1 | 79.46 | 18.49 | 95.73 |
| | | CO2 | 79.46 | 18.49 | 95.73 |
| | | CO3 | 79.46 | 16.95 | 94.2 |
| 1FY3-29 | Computer Aided Machine Drawing | CO1 | 80.00 | 17.92 | 94.2 |
| | | CO2 | 80.00 | 18.93 | 94.2 |
| | | CO3 | 80.00 | 18.52 | 94.2 |

Table 8.4.2.4: CO Attainment for 2020-21 Semester-II



Char t8. 4.2.4.: CO Attainment for 2019-20, Semester-I

CO Attainment 2019-20 Semester-I

| Subject Code | Subject Name | Course Outcome | RTE (80%) | MTE (20%) | TOTAL (100%) |
|--------------|---------------------------|----------------|-----------|-----------|--------------|
| | | | x | y | .8x+.2y |
| 1FY2-01 | Engineering Mathematics-I | CO-1 | 40 | 51.19 | 42.24 |
| | | CO-2 | 40 | 56.19 | 43.24 |
| | | CO-3 | 40 | 50.32 | 42.06 |
| | | CO4 | 40 | 38.37 | 39.67 |
| 1FY2-02 | Engineering Physics | CO-1 | 33.68 | 70.92 | 41.13 |
| | | CO-2 | 33.68 | 36.97 | 34.34 |
| | | CO-3 | 33.68 | 81.33 | 43.21 |
| | | CO-4 | 33.68 | 60.16 | 38.98 |
| 1FY2-03 | Engineering Chemistry | CO-1 | 62.4 | 50 | 59.92 |
| | | CO-2 | 62.4 | 36 | 57.12 |

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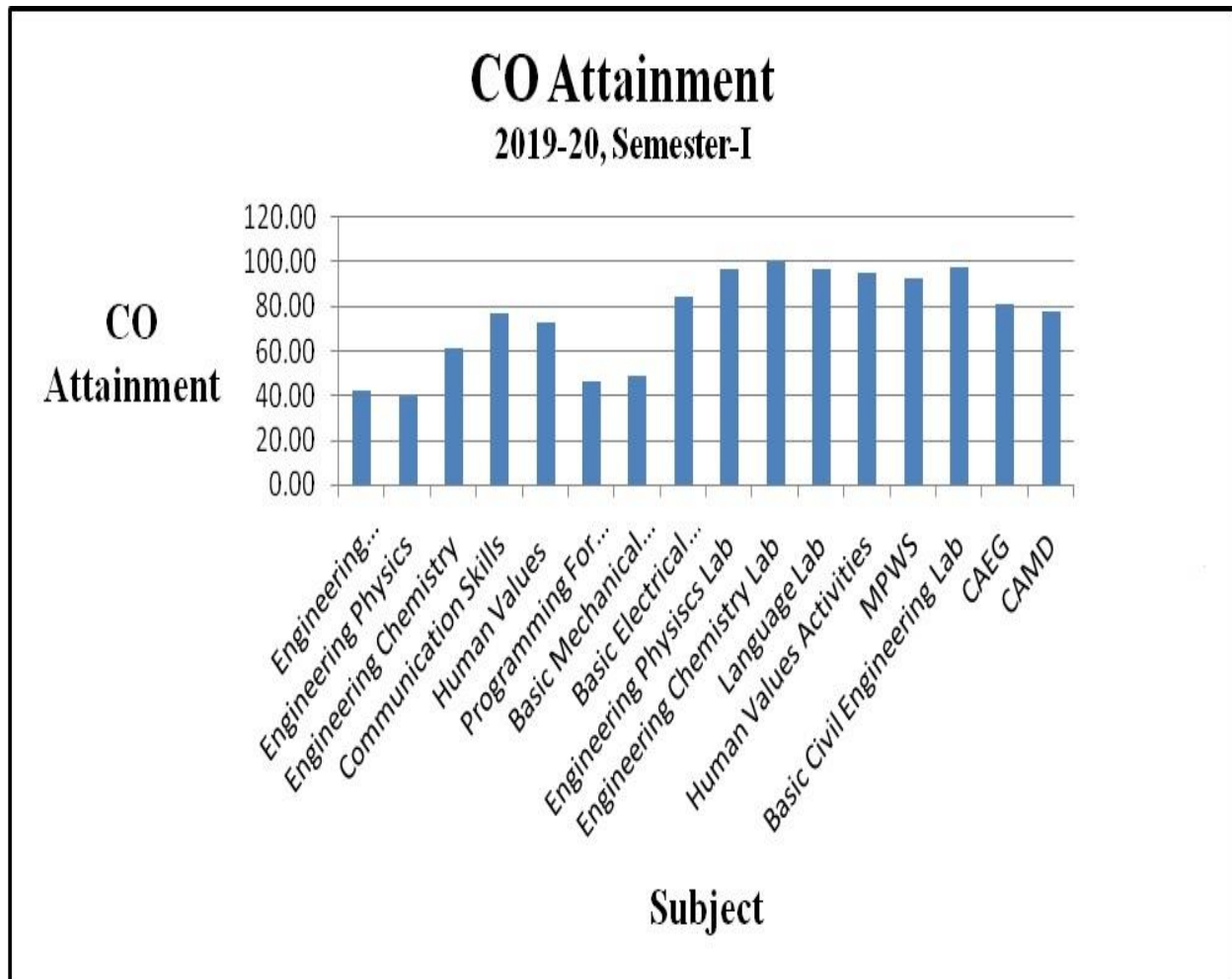
| | | | | | |
|---------|---------------------------------|------|-------|-------|--------|
| | | CO-3 | 62.4 | 86 | 67.12 |
| | | CO4 | 62.4 | 56 | 61.12 |
| 1FY1-04 | Communication Skills | CO-1 | 77.68 | 84.9 | 79.12 |
| | | CO-2 | 77.68 | 74.19 | 76.98 |
| | | CO-3 | 77.68 | 57.84 | 73.71 |
| | | CO-1 | 75.38 | 71.8 | 74.66 |
| 1FY1-05 | Human Values Activities | CO-2 | 75.38 | 61.6 | 72.62 |
| | | CO-3 | 75.38 | 57.4 | 71.78 |
| | | CO-1 | 40 | 72.4 | 46.48 |
| 1FY3-06 | Programming For Problem Solving | CO-2 | 40 | 70.7 | 46.14 |
| | | CO-3 | 40 | 70.7 | 46.14 |
| | | CO-4 | 40 | 65.3 | 45.06 |
| | | CO-1 | 47.57 | 66.59 | 51.37 |
| 1FY3-07 | Basic Mechanical Engineering | CO-2 | 47.57 | 60.3 | 50.12 |
| | | CO-3 | 47.57 | 48.15 | 47.69 |
| | | CO-4 | 47.57 | 46.73 | 47.40 |
| | | CO-1 | 62.94 | 85.46 | 67.44 |
| 1FY3-08 | Basic Electrical Engineering | CO-2 | 94.96 | 85.46 | 93.06 |
| | | CO-3 | 94.74 | 85.46 | 92.88 |
| | | CO-1 | 97% | 98.5 | 97.30 |
| 1FY2-20 | Engineering Physics Lab. | CO-2 | 97% | 97.5 | 97.10 |
| | | CO-1 | 100 | 100 | 100.00 |
| 1FY2-21 | Engg. Chemistry Lab | CO-2 | 100 | 100 | 100.00 |
| | | CO-3 | 100 | 100 | 100.00 |
| | | CO-1 | 96.9 | 97 | 96.92 |
| 1FY1-22 | Language Lab | CO-2 | 97.1 | 97 | 97.08 |
| | | CO-3 | 96.9 | 97 | 96.92 |
| | | CO-1 | 95.1 | 95.2 | 95.12 |
| 1FY1-23 | Human Values Activities | CO-2 | 95.2 | 95.2 | 95.20 |
| | | CO-3 | 95.1 | 95.2 | 95.12 |
| | | CO1 | 92.06 | 90.73 | 91.79 |
| 1FY3-25 | MPWS | CO2 | 93.64 | 92.06 | 93.32 |
| | | CO-1 | 98 | 97.5 | 97.90 |
| 1FY3-27 | BCE Lab | CO-2 | 98 | 97 | 97.80 |
| | | CO-3 | 98 | 96 | 97.60 |
| | | CO1 | 79.89 | 93.96 | 82.70 |
| 1FY3-28 | CAEG | CO2 | 79.89 | 93.96 | 82.44 |
| | | CO3 | 79.89 | 92.65 | 78.75 |



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| | | | | | |
|---------|------|-----|-------|-------|-------|
| 1FY3-29 | CAMD | CO1 | 77.81 | 74.20 | 77.09 |
| | | CO2 | 77.81 | 74.20 | 75.17 |
| | | CO3 | 77.81 | 64.63 | 80.39 |

Table8.4.2.5: CO Attainment for 2019-20, Semester-I



Char t8. 4.2.6.: CO Attainment for 2019-20, Semester-I

CO Attainment 2019-20 Semester-II

| Subject Code | Subject Name | Course Outcome | RTE (80%) | MTE (20%) | TOTAL (100%) |
|--------------|----------------------------|----------------|-----------|-----------|--------------|
| | | | x | y | .8x+.2y |
| 2FY2-01 | Engineering Mathematics-II | CO-1 | 46.76 | 44.73 | 46.35 |



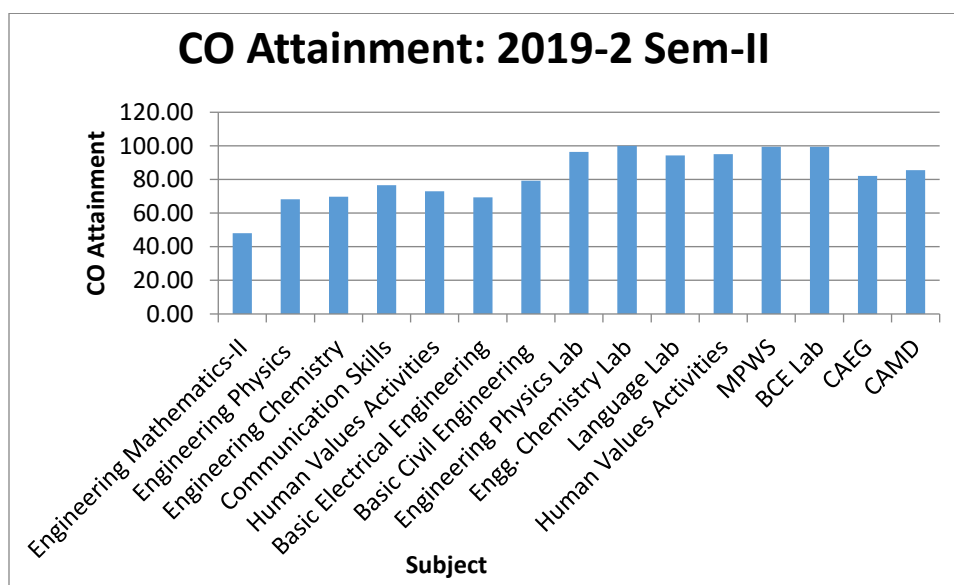
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| | | | | | |
|---------|------------------------------|------|---------|-------|--------|
| | | CO-2 | 46.76 | 32.81 | 43.97 |
| | | CO-3 | 46.76 | 71.15 | 51.64 |
| | | CO-4 | 46.76 | 64.56 | 50.32 |
| 2FY2-02 | Engineering Physics | CO-1 | 68.49 | 64.02 | 67.60 |
| | | CO-2 | 68.49 | 47.95 | 64.38 |
| | | CO-3 | 68.49 | 81.52 | 71.10 |
| | | CO-4 | 68.49 | 77.03 | 70.20 |
| 2FY2-03 | Engineering Chemistry | CO-1 | 70.4 | 49 | 66.12 |
| | | CO-2 | 70.4 | 40 | 64.32 |
| | | CO-3 | 70.4 | 95 | 75.32 |
| | | CO-4 | 70.4 | 84 | 73.12 |
| 1FY1-04 | Communication Skills | CO-1 | 77.68 | 84.9 | 79.12 |
| | | CO-2 | 77.68 | 74.19 | 76.98 |
| | | CO-3 | 77.68 | 57.84 | 73.71 |
| 1FY1-05 | Human Values Activities | CO-1 | 75.38 | 71.8 | 74.66 |
| | | CO-2 | 75.38 | 61.6 | 72.62 |
| | | CO-3 | 75.38 | 57.4 | 71.78 |
| 2FY3-08 | Basic Electrical Engineering | CO-1 | 62.9386 | 65.77 | 65.20 |
| | | CO-2 | 94.9561 | 65.77 | 71.61 |
| | | CO-3 | 94.7368 | 65.77 | 71.56 |
| 2FY3-09 | Basic Civil Engineering | CO-1 | 82.51 | 36.5 | 73.31 |
| | | CO-2 | 82.51 | 43.5 | 74.71 |
| | | CO-3 | 82.51 | 98 | 85.61 |
| | | CO-4 | 82.51 | 89 | 83.81 |
| 2FY2-20 | Engineering Physics Lab | CO-1 | 96% | 98.2 | 96.44 |
| | | CO-2 | 96% | 97.8 | 96.36 |
| 2FY2-21 | Engg. Chemistry Lab | CO-1 | 100 | 100 | 100.00 |
| | | CO-2 | 100 | 100 | 100.00 |
| | | CO-3 | 100 | 100 | 100.00 |
| 2FY1-22 | Language Lab | CO-1 | 94.1 | 94.3 | 94.14 |
| | | CO-2 | 94.2 | 94.3 | 94.22 |
| | | CO-3 | 94.3 | 94.3 | 94.30 |
| 2FY1-23 | Human Values Activities | CO-1 | 95.1 | 95 | 95.08 |
| | | CO-2 | 95.2 | 95 | 95.16 |
| | | CO-3 | 94.9 | 95 | 94.92 |
| 2FY3-25 | MPWS | CO1 | 91.23 | 90.73 | 91.13 |
| | | CO2 | 93.64 | 88.36 | 92.58 |
| 2FY3-27 | BCE Lab | CO-1 | 99.78 | 98 | 99.42 |

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| | | | | | |
|---------|------|------|-------|-------|-------|
| | | CO-2 | 99.78 | 98.5 | 99.52 |
| | | CO-3 | 99.78 | 97 | 99.22 |
| 2FY3-28 | CAEG | CO1 | 79.91 | 93.07 | 82.54 |
| | | CO2 | 79.91 | 93.07 | 82.07 |
| | | CO3 | 79.91 | 90.69 | 81.54 |
| 2FY3-29 | CAMD | CO1 | 80.81 | 88.07 | 82.26 |
| | | CO2 | 80.81 | 88.07 | 83.19 |
| | | CO3 | 80.81 | 92.69 | 91.13 |

Table8.8.4.2.5: CO Attainment for 2019-20, Semester-I



Char t8. 4.2.7.: CO Attainment for 2019-20, Semester-II

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PO Attainment Levels through First Year courses:

8.5.1: Indicate results of evaluation of each relevant PO and/or PSO, if applicable (15)

The relevant Program outcomes that are to be addressed at first year need to be identified by the institution.

Program outcome attainment levels shall be set for all relevant PO's and/or PSO's through First year courses.

(Describe the assessment processes that demonstrate the degree to which the Program outcomes are attained through First year courses and document the attainment levels. Also include information on assessment processes used to gather the data upon which the evaluation of each Program Outcome is based indicating the frequency with which these processes are carried out

8.5.1. Indicate results of evaluation of each relevant PO/PSO

| Course | Course Title | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1FY2-01 | Engineering Mathematics-I | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 0 | 3 | 2 | 0 | 1 |
| 1FY2-02 | Engineering Physics | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 1FY2-03 | Engineering Chemistry | 2 | 1 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 1 |
| 1FY1-04 | Communication Skills | 0 | 0 | 1 | 0 | 0 | 0 | 1.33 | 0 | 0 | 3 | 0 | 1 |
| 1FY1-05 | Human Values | 0 | 0 | 2 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 0 | 1 |
| 1FY3-06 | Programming for Problem Solving | 1.75 | 1 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 1FY3-07 | Basic Mechanical Engineering | 3 | 1 | 2 | 0 | 0 | 1 | 2 | 2 | 1 | 2 | 2 | 2 |
| 1FY3-08 | Basic Electrical Engineering | 2.67 | 2.33 | 1.67 | 1.67 | 1.33 | 0 | 0 | 0 | 2 | 1 | 0 | 1 |
| 1FY3-09 | Basic Civil Engineering | 1.5 | 0.75 | 0.5 | 0 | 0 | 0.25 | 0.5 | 0.25 | 0.75 | 0.25 | 0.5 | 0.25 |
| 1FY2-20 | Engineering Physics Lab | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| 1FY2-21 | Engineering Chemistry Lab | 1.67 | 1.67 | 0.00 | 1.00 | 0.00 | 0.00 | 0.67 | 0.00 | 1.00 | 2.00 | 0.00 | 0.00 |
| 1FY1-22 | Language Lab | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 1 |
| 1FY1-23 | Human Values Activities | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 3 | 1 | 1 | 0 | 1 |
| 1FY3-24 | Computer Programming Lab | 1.67 | 1.67 | 0.67 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 2.00 | 0.00 | 1.00 |
| 1FY3-25 | Manufacturing Practices Workshop | 3 | 1.5 | 1 | 0.5 | 0 | 1 | 0.5 | 0 | 1 | 0.5 | 0.5 | 1.5 |



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| | | | | | | | | | | | | | |
|---------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| 1FY3-26 | Basic Electrical Engineering Lab | 3 | 2.33 | 2 | 2 | 2 | 0 | 1 | 1 | 3 | 1 | 1 | 1 |
| 1FY3-27 | Basic Civil Engineering Lab | 1.33 | 1.33 | 0.67 | 0.00 | 0.33 | 1.00 | 1.00 | 0.33 | 1.33 | 1.00 | 0.00 | 0.67 |
| 1FY3-28 | Computer Aided Engineering Graphics | 3 | 1.5 | 2.5 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 |
| 1FY3-29 | Computer Aided Machine Drawing | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 |
| 2FY2-01 | Engineering Mathematics-2 | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 0 | 3 | 2 | 0 | 1 |

Assessment Process used to gather the data upon which the evaluation of each Program Outcome is based

- PO Assessment=Direct assessment + Indirect Assessment
- Direct assessment= 80% weightage of end semester examination (ESE) + 20% weightage of Mid-Term examination (MTE)= $0.8x + 0.2y$
x=ESE, y=MTE
- Indirect assessment=Course exit survey & Co-curricular activities
CO assessment= $0.8x + 0.2y$
x=ESE, y=MTE
- Direct assessment and indirect assessment are mapped with PO assessment through rubrics as given below:

PO Assessment Tools for First Year

| Category | Tools | Rubrics |
|-----------------|--------------------------|---|
| Direct | Co Attainment | |
| Indirect | Course Exit Survey | Pro rata |
| | Co-curricular Activities | >=80% students participated/organized then target achieved else =pro rata |

8.5.2. Actions taken based on the results of evaluation of relevant POs and PSOs (10) (The attainment levels by direct (student performance) are to be presented through Program level Course-PO matrix as indicated)

PO Attainment Levels and Actions for improvement – CAY only – Mention for relevant POs

| POs | Target Level | Attainment Level | Observations |
|---|--------------|------------------|---|
| PO1: Engineering knowledge: | | | |
| PO1 | 2.12 | 1..54 | Observations: <ul style="list-style-type: none"> Lack of understanding of basic concepts of mathematics, Physics, Mechanics and their application. |
| Action 1: Prerequisites for all the subjects were discussed before commencement of semester. Action 2: Additional classes to be conducted improve the mathematical fundamental basics Action 3: E-resources were like NPTEL, youtube.com; learn engineering.org used to help students. | | | |
| PO2: Problem analysis: | | | |
| PO2 | 1.58 | 1.07 | Observations : <ul style="list-style-type: none"> Students were unable to formulate or analyze complex engineering problems by the knowledge of science and mathematics through first year subjects |
| Action 1: Students were made to solve problems of GATE, RTU and others competitive examinations. Action 2: Students were made to participate in problem solving activities/contests like Ideathons & Hackathons. Action 3: Students were mentored to participate in technical events inside and outside the college. | | | |
| PO3: Design/development of solutions: | | | |

Department of Electronics & Communication Engineering

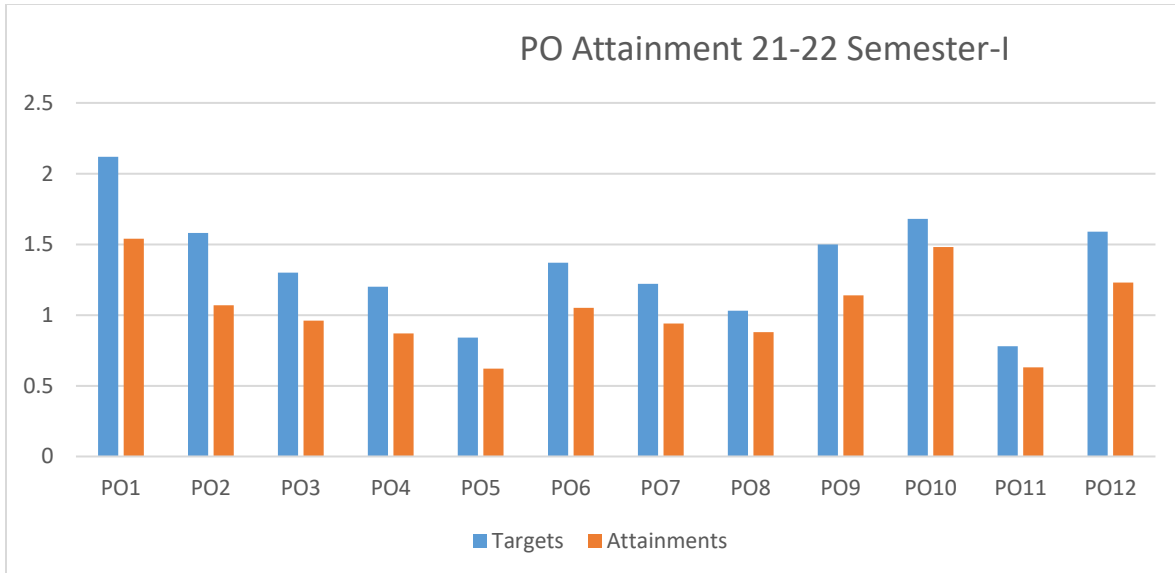
| | | | |
|---|-------|-------|---|
| PO3 | 1.304 | .96 | Observations : <ul style="list-style-type: none"> More technical events need to be introduced during first year to develop design and development aptitude in students. |
| Action 1: Students were made to participate in coding based contests like softechhack & smart Business Hackathon Action 2: Different engineering problems were addressed through minor projects in First Year laboratories. | | | |
| PO4: Conduct investigations of complex problems: | | | |
| PO4 | 1.2 | .886 | Observations : <ul style="list-style-type: none"> Student's participation in the events where they can deal with complex problems, need to be improved |
| Action 1: Students were given chance to present their idea/ prototype and work with JECRC Incubation Cell. Action 2: Participation in coding contests, workshops and other related activities was improved. Action 3: Students were encouraged to review the problems addressed in research papers from different journals. | | | |
| PO5: Modern tool usage: | | | |
| PO5 | .836 | .612 | Observations : <ul style="list-style-type: none"> Trainings and add-on courses should be added for First Year students |
| Action 1: Add on workshops based on modern tool usage like machine learning & python were conducted for First Year students Action 2: First year students participated in various technical club activities of the institute and learnt product development using modern tools. | | | |
| PO6: The engineer and society: | | | |
| PO6 | 1.136 | 1.053 | Observations : <ul style="list-style-type: none"> Students needed exposure to assess the social, health & cultural issues through application of reasoning |
| Action 1: Students were made to participate in activities like "Aanandam" where the students performed the activities like plantations, save water & save energy etc. Action 2: Many social activities were organized at institute level like Blood Donation camp where, they worked as coordinators and managed the mechanism and conduction of the event. Action 3: Students participated in various social activities like Zarurat (where the students taught the under privilege children after college hours), Cleanliness drive, food and cloth distribution drive etc. | | | |
| PO7: Environment and sustainability: | | | |
| PO7 | 1.224 | .9351 | Observations : |

Department of Electronics & Communication Engineering

| | | | |
|---|-------|-------|--|
| | | | <ul style="list-style-type: none"> The awareness and understanding related to global and environmental issues need to be improved. |
| <p>Action 1: Webinars were conducted to address the environmental and sustainability issues in engineering.</p> <p>Action 2: Students were encouraged to indulge in projects in which global and environmental issues were addressed</p> <p>Action 3: Activities like Cleanliness Drive and Tree Plantation, No Food wastage campaign were organized to address environmental and sustainability issues.</p> | | | |
| PO8: Ethics: | | | |
| PO8 | 1.032 | .873 | <p>Observations:</p> <p>Students have Professional ethics and showcase their moral and ethical values time to time. Little effort needs to be done to make them follow the norms of the engineering practice.</p> |
| <p>Action1: Students as well as faculty members attended workshop on Universal Human Values for better understanding of professional ethics & responsibilities.</p> <p>Action2: Students were encouraged to join the technical as well as social clubs at institute.</p> <p>Action 3: Students participated in talks/webinars related to ethics.</p> | | | |
| PO9: Individual and team work: | | | |
| PO9 | 1.50 | 1.135 | <p>Observations:</p> <ul style="list-style-type: none"> Students need to be mentored for team work & to become team leaders starting from their First Year only |
| <p>Action 1: Students were appointed as team leaders or coordinators in various technical & extracurricular activities introduced in first year.</p> <p>Action 2: They participated as a team in technical activities like Hackathons and cultural activities.</p> | | | |
| PO10: Communication: | | | |
| PO10 | 1.68 | 1.479 | <p>Observations:</p> <ul style="list-style-type: none"> The communication, presentation and report writing skills are to be further improved among the students. |
| <p>Action 1: Language Lab activities such as group discussions, power writing and public speaking were conducted.</p> <p>Action 2: Students were encouraged for self-learning through MOOCs courses and gave presentations in class.</p> <p>Action 3: Students were made to prepare and present the presentations in their regular classes from their curriculum of each subject.</p> | | | |
| PO11: Project management and finance: | | | |
| PO11 | .776 | .663 | <p>Observations:</p> |

Department of Electronics & Communication Engineering

| | | | |
|---|------|-------|--|
| | | | There was very little scope for students in first year to learn project management and finance. |
| <p>Action 1: They were made to work in teams and make projects by working on every aspect of development of projects.</p> <p>Action 2: First year students were motivated to be organizers of technical events in the department.</p> | | | |
| PO12: Life-long learning: | | | |
| PO12 | 1.58 | 1.229 | <p>Observations :</p> <p>Participation in technical activities and understanding of new technology is to be improved in first year.</p> |
| <p>Action 1: Students were motivated to explore and learn online courses through NPTEL, Swayam, Coursera etc. as per the need of technological change.</p> <p>Action 2: Students were made to join various technical and social clubs of the college to recognize the need of changing technology..</p> | | | |
| <p>Links:</p> <p>https://jecrcfoundation.com/applied-science/tech_events</p> <p>https://jecrcfoundation.com/applied-science/jtechtrix</p> <p>https://jecrcfoundation.com/student-corner/notes</p> | | | |



Graph for Session 2021-22 (Sem-1)

| | | |
|-------------|-------------------------|----|
| CRITERION 9 | Student Support Systems | 50 |
|-------------|-------------------------|----|

9. STUDENT SUPPORT SYSTEMS (50)

9.1 Mentoring System to help at individual level (5)

Type of mentoring: Professional guidance/ career advancement/ course work specific/ laboratory specific/ all round development. Number of faculty mentors: Number of students per mentor: Frequency of meeting

Professional Guidance/ Career Advancement

An effective student mentoring system has already been implemented in our college to mentor throughout activities, performance and over all development of students.

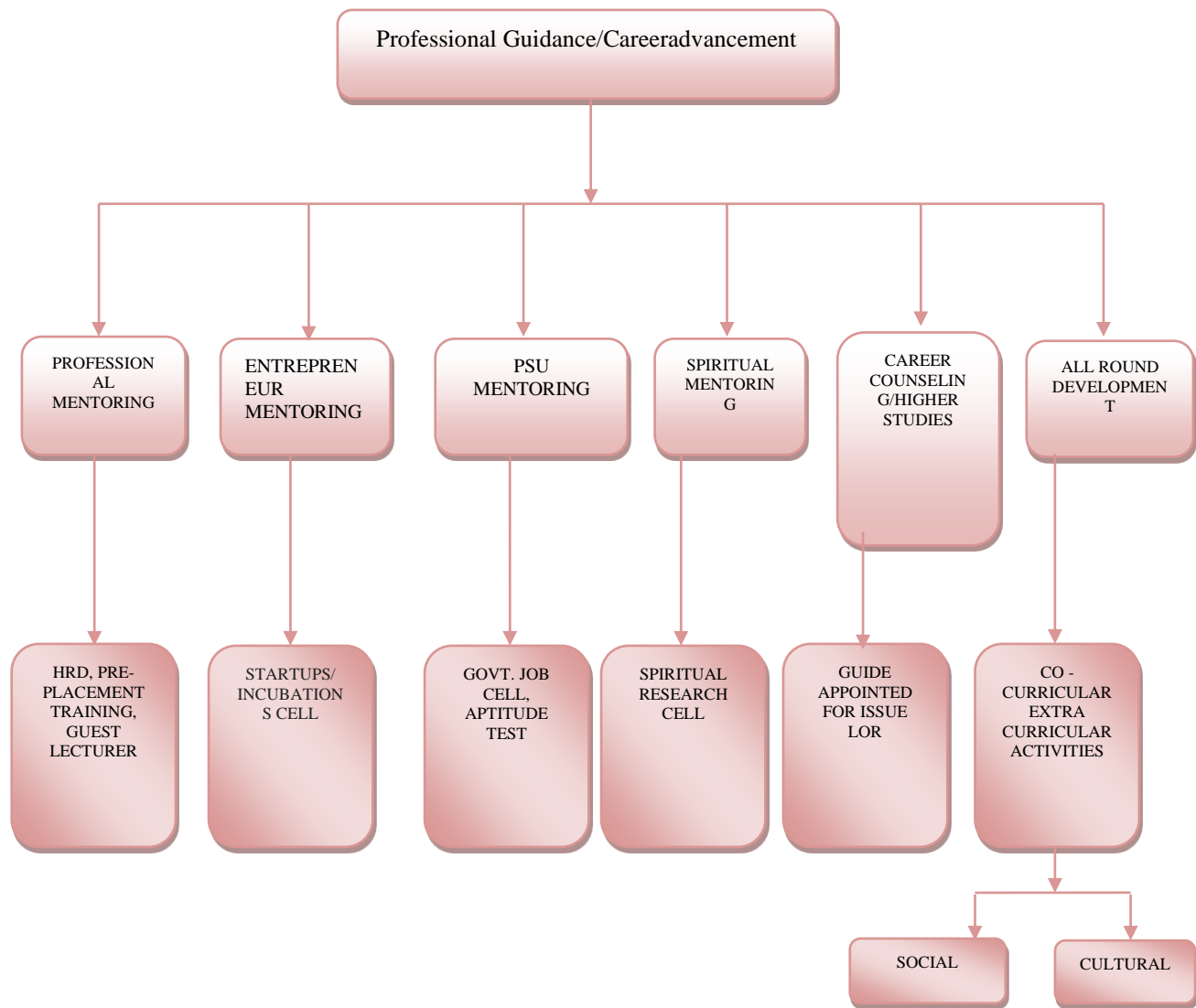


Fig 9.1a: Professional Guidance/ Career Advancement

| S.No. | Type of Mentoring | Name |
|-------|-----------------------------|----------------------------|
| 1 | PSU Mentoring | Mr. P.K. Tiwari (Rtd. IPS) |
| | | Mr. O.P. Jain (Rtd. IRS) |
| 2 | Professional Mentoring | Dr. S.N.Gupta |
| | | Mr. Mukut Bihari |
| 3 | Entrepreneur Mentoring | Mr. Tarun Saraswat |
| 4. | Spritual Mentoring | Mr. Mukesh Agarwal |
| 5. | Higher Studies Mentoring | Ms.Priyanka Shukla |
| 6. | Student Development Officer | Mr. Pranshu Sharma |

Table B.9.1a

➤ **Professional mentoring**

We have Human Resource & Development cell (HRD), senior advisor and many senior dignitaries who guide students for their career and placement.

Different interactive sessions for students with Dr. S. N.Gupta (senior advisor), Mr. Mukut Bihari and other senior member are organized to motivate and guide them for enhancing career.

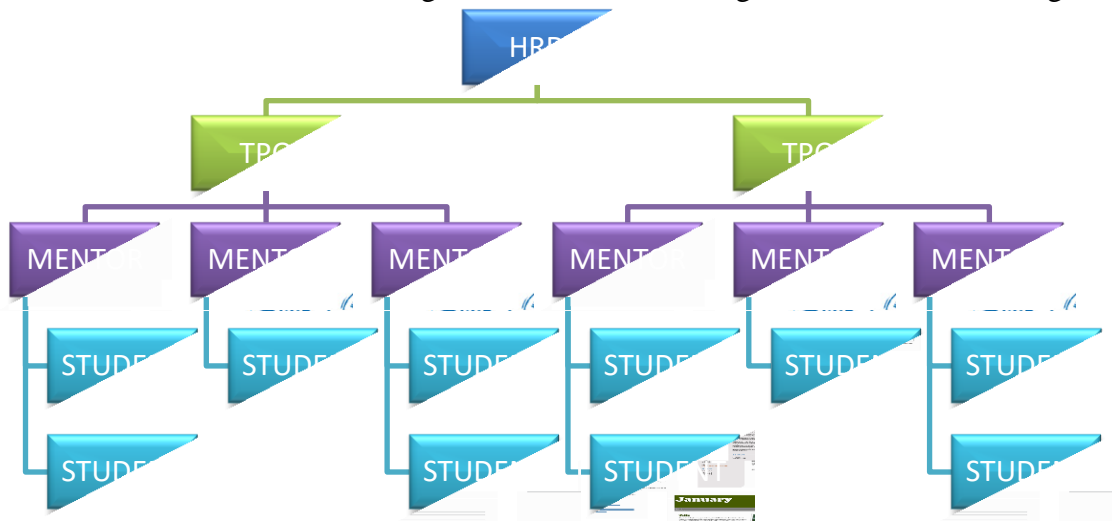


Fig.9.1b: Professional mentoring

- **Resume writing sessions:** Organized for students to guide them for effective resume writing.

| S.No. | Year | Speaker | Date |
|-------|---------|----------------|--------------|
| 1 | 2021-22 | Mr. P.K.Tiwari | 26 June 2021 |

Table B.9.1b

- Training conducted for the improvement of professional skills of students in campus itself.

| Year | Name of event | Object of event | No. of students participated | Date of event |
|---------|--|---|------------------------------|--------------------|
| 2021-22 | Pre placement training program by FACE | Bridging gap between academics & Industry | 652 | 1/7/2021-18/8/2021 |

Table B.9.1c

Pre-Placement Training Time Table (Sample)

Session 2021-22

Department of Electronics & Communication Engineering

| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; border-radius: 50%; padding: 5px 15px; font-weight: bold;">CSE-1</div> <div style="text-align: center;"> Campus Recruitment Training Program 2021 JECRC Inset Batch </div> </div> | | | | | |
|---|---|---|---|--|-----------------------|
| FACE Link | Tech Class Link | Batch# | Interview Links | CBT Link | |
| https://meet.google.com/wqj-vnnt-xqk | https://zoom.us/j/93335055055?pwd=V0pTNOZ2SkFRbTIsditKcjN6NUlWZz09 | CS1.1 | https://meet.google.com/lookup/bqevv4bt-h | https://jecrcj.facepre.in/ | |
| | | CS1.2 | https://meet.google.com/lookup/atmv2hskn-g | | |
| CS1.3 | | https://meet.google.com/lookup/fo2xl2tael | | | |
| CS1.4 | | https://meet.google.com/lookup/gvqvuis5zi-g | | | |
| CS1.5 | | https://meet.google.com/lookup/agyyvqbr4-r | | | |
| CS1.6 | | https://meet.google.com/lookup/bpodsg3n-m2 | | | |
| WAE Link | | | | | |
| https://meet.google.com/rbe-qwge-qyf | | | | | |
| Time Date | 9:00 - 12:00 | 12:00-1:00 | 1:00 - 2:00 | 2:00 - 5:00 | Evaluation Daily Test |
| 05-Aug | APTI FACE | B R E A K | Tech - 13 | PI-Tech (Siddarth, Rekha) PI-HR (Sandipan,Vivekanand) GD&Ext. (Seema,Savita) | CBT13 |
| 06-Aug | APTI FACE | | | | |
| 07-Aug | Industry Expert (Alumni) | | Tech - 14 | PI-HR (Sandipan,Vivekanand) GD&Ext. (Seema,Savita) PI-Tech (Siddarth, Rekha) | CBT14 |
| 08-Aug | Industry Expert (Alumni) | | Tech - 15 | GD&Ext. (Seema,Savita) PI-Tech (Siddarth, Rekha) PI-HR (Sandipan,Vivekanand) | CBT15 |

Department of Electronics & Communication Engineering

| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #4a86e8; color: white; border-radius: 50%; padding: 5px 15px; font-weight: bold;">CSE-2</div> <div style="text-align: center;"> <p style="margin: 0;">Campus Recruitment Training Program 2021</p> <p style="margin: 0;">JECRC Inset Batch</p> </div> </div> | | | | | |
|--|---|-----------------------|---|--|-----------------------|
| FACE Link | Tech Class Link | Batch# | Interview Links | CBT | |
| https://meet.google.com/iqz-fgre-nbp <div style="background-color: #ffff00; padding: 2px;">WAE Link</div> https://meet.google.com/rbe-qwge-qyf | https://zoom.us/j/93335055055?pwd=V0pTN0Z2SkFRbTlscitKcjN6NUlWZz09 | CS2.1 | https://meet.google.com/lookup/daojhvbps | https://j ecrcj.fa ceprep.i n/ | |
| | | CS2.2 | https://meet.google.com/lookup/dqooq33si5 | | |
| | | CS2.3 | https://meet.google.com/lookup/c5okjmv4h | | |
| | | CS2.4 | https://meet.google.com/lookup/a3zo3fem5 | | |
| | | CS2.5 | https://meet.google.com/lookup/qv7uol6oo | | |
| | | CS2.6 | https://meet.google.com/lookup/aeguci7hfn | | |
| Time Date | 9:00 - 12:00 | 12:00-1:00 | 1:00 - 2:00 | 2:00 - 5:00 | Evaluation Daily Test |
| 05-Aug | APTI FACE | B R E A K | Tech - 13 | PI-Tech (Bhawana,Pankaj) PI-HR (Lakshita,Ruchida) GD & Ext. (Praveen,Varsha) | CBT13 |
| 06-Aug | APTI FACE | | | | |
| 07-Aug | Industry Expert (Alumni) | | Tech - 14 | PI-HR (Lakshita,Ruchida) GD & Ext. (Praveen,Varsha) PI-Tech (Bhawana,Pankaj) | CBT14 |
| 08-Aug | Industry Expert (Alumni) | | Tech - 15 | GD & Ext. (Praveen,Varsha) PI-Tech (Bhawana,Pankaj) PI-HR (Lakshita,Ruchida) | CBT15 |



Pre Placement training Program by FACE



Pre Placement training Program by ALUMNI

➤ **Government Job Cell**

The Initiative taken by Prof.(Dr.) Vinay Chandna for making students career in government sector. A cell is under the guidance of Mr. P.K.Tiwari and Mr. O.P.Jain in institute to prepare students towards different competitive examination. In this cell we encourage and inspire students for competitive examination like GATE, CAT, MAT etc.

- Organized classes for GATE aspirants.
- Provided course material to students.
- Career opportunities in government sector are shared with the interested students.



Upgrade your Career with JECRC



Unlock Internship Opportunities



Get Job Opportunities



Learn New Skills



Work on Latest Mentor Driven Project



Practice Placement and Curriculum Assessments



Email Id Or Enrollment Number

Password

[Log In](#)

Not have account [Register Now](#)

Not Remember Password [Forgot Password](#)



Department of Electronics & Communication Engineering



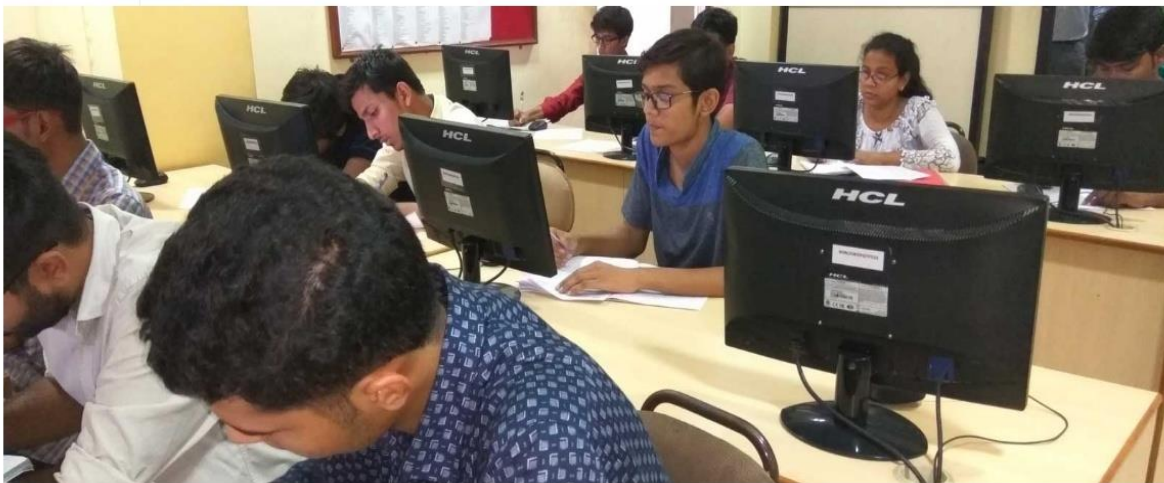
GROUP ASSESSMENTS | COURSES | JOBS | ASSESSMENTS | PRACTICE | INTERNSHIPS | PROJECTS | LOGIN

Enter Assessment Title

List of all category

- Aptitude
- Banking
- Basic Engineering
- Chemical
- Civil
- Coding
- Common
- Computer Science
- Electrical And Electronic Engineering
- Electrical Engineering
- Electronics And Communication Engineering
- Engineering Services
- GATE
- Information Technology
- Job Oriented
- Mechanical Engineering
- Railway
- Sample Placement Papers
- UPSC

| | | |
|---|---|---|
| <p>Mechanical Engineering Practice 4</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>Mechanical Engineering Practice 3</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>Mechanical Engineering Practice 2</p> <p>★★★★★</p> <p>Sign In For Practice</p> |
| <p>Mechanical Engineering Practice 1</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>General Studies & Engineering Aptitude Practice 4</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>General Studies & Engineering Aptitude Practice 3</p> <p>★★★★★</p> <p>Sign In For Practice</p> |
| <p>General Studies & Engineering Aptitude Practice 2</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>General Studies & Engineering Aptitude Practice 1</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>Electrical Engineering Practice 4</p> <p>★★★★★</p> <p>Sign In For Practice</p> |
| <p>Electrical Engineering Practice 3</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>Electrical Engineering Practice 2</p> <p>★★★★★</p> <p>Sign In For Practice</p> | <p>Electrical Engineering Practice 1</p> <p>★★★★★</p> <p>Sign In For Practice</p> |



GATE Mock Test



Department of Electronics & Communication Engineering

| GATE 2021-22 Data | | | | | | |
|--------------------------|---------------------------|----------------------|--------------------|--------------------------|--------------|----------------|
| Institute Name: | | JECRC, JAIPUR | | | | |
| S. No. | Student Name | Branch | Registered in GATE | GATE Registration Number | Qualify Gate | Marks Obtained |
| | | | (Yes/No) | | (Yes/No) | |
| 1 | Dharmvatsal Singh Chouhan | CSE | Y | CS22S13001132 | Y | 27 |
| 2 | CHETAN MAHAWAR | ME | Y | ME22S83015251 | Y | 22.57 |
| 3 | Swastik Amera (CAT) | ECE | Y | 21003909-ECE | Y | |
| 4 | ABHINAV KARELA | CIVIL | Y | CE22S53015015 | Y | 33.3 |
| 5 | ABHISHEK PAREEK | CIVIL | Y | CE22S53016464 | Y | 50.63 |
| 6 | BHARAT DUDI | CIVIL | Y | CE22S63015025 | Y | 36.72 |
| 7 | DEVESH SHARMA | CIVIL | Y | CE22S63017194 | Y | 42.64 |
| 8 | GOVIND PRAJAPATI | CIVIL | Y | CE22S53015041 | Y | 51.3 |
| 9 | GOVIND PRAJAPATI | CIVIL | Y | ES22S33015098 | Y | 36.67 |
| 10 | MOHIT KUMAR | CIVIL | Y | CE22S53017396 | Y | 27.31 |
| 11 | NIKHIL JAIN | CIVIL | Y | CE22S63018430 | Y | 29.05 |
| 12 | PARAS SHARMA | CIVIL | Y | CE22S63019197 | Y | 27.31 |
| 13 | PRIYA MEENA | CIVIL | Y | CE22S53018416 | Y | 24.64 |
| 14 | PRIYANKA LOYAL | CIVIL | Y | CE22S63016076 | Y | 30.45 |
| 15 | VIVEK KUMAR MEENA | CIVIL | Y | CE22S53018106 | Y | 20.31 |
| 16 | AKASH KUMAR PRAJAPAT | CIVIL | Y | CE22S63055003 | Y | 45.43 |
| 17 | AKASH KUMAR PRAJAPAT | CIVIL | Y | ES22S33055047 | Y | 37.33 |

➤ Entrepreneur cell

Entrepreneurship cell is established in mentorship of Mr.Tarun Saraswat, our college for encouraging and inspiring students for startups and entrepreneur. Various interactive sessions for students with alumni and startup representative are organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur.

Cell is responsible for:

1. Initiative and Development of Startups/Incubations
2. Initiative towards centre of excellence
3. Relationship with companies
4. Motivate students, guide and help them in the same direction.



Department of Electronics & Communication Engineering

An *Entrepreneurship awareness camp* organized in which our students and faculties participated.

- Institute has success stories for every pass out year as a result of Entrepreneurship cell and incubation center.

| S.No | Name | Batch | Branch | Organization | E-Mail id | Contact No. | Present Location | Links |
|------|---------------|-------|--------|---------------|--|-------------|------------------|---|
| 1 | Akshit Ostwal | 2021 | CSE | Orange Wallet | akshitostwal@gmail.com | 7014669586 | Banglore | https://orangewallet.app/ |

Spiritual Mentoring

A special initiative has been taken by our institute in the form of SPIRITUAL RESEARCH CELL. The cell was established on 6th October, 2016. The inauguration was done by the auspicious presence of the Executive Secretary, Brahmakumaris & Vice Chairman, Rajyoga Education & Research Foundation, Rajyogi Mruthyunjaya Ji, Dr. U.S Agarwal, Principal, SMS Medical College, Jaipur and Meditation Expert, B K Sushma Ji. This cell motivates students mentally and builds up their confidence.





Spiritual cell

➤ Career Counseling /Higher studies

A Guide has been appointed specifically for higher study counseling and career counseling. She counseled many students and encouraged them for further studies. She guided students on the right path for career. She also issued letter of recommendation (LOR) to some students.

| | |
|--|--------------------|
| No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) | CAYm1 (2021-22) |
| | 17 |

➤ All round Development

Student Development Officer Mr. Pranshu Sharma is responsible for the overall development of student. His responsibility is to encourage students to participate in different co curricular and extracurricular activities.

SDO Responsibilities:

- Planning, developing and delivering a variety of student services and activities (co-curricular and extracurricular activities)
- Motivate and engage students also oversee students activity on campus
- Handles promotions of college events manual and e-promotions

Department of Electronics & Communication Engineering

Our Clubs:

- The dramatics club named “Faces and Footlights”.
- Our very own bhangra crew called “Khalas”.
- The group for contemporary dance forms called “Enigma”.
- “Xananoids” -The Robotics Club.
- “Moonriders” - The automobile Club.
- The creative arts club – “Atrangi”.
- “J-SID” Self-Innovative developers Club

These activities are not meant just for fun and frolic. They are in fact catalysts that develop qualities like leadership, team work, time management and stress handling in our students from the very beginning. One of the many reasons why our students have done wonderfully well year after year in their campus placements is that they are not just sound technically but are also ready to face the challenges of the world brimming with confidence.

| Events Name | Date | Event Description |
|---------------|-------------|--|
| ADAA | 18 MAY 2021 | Fashion is a way to experience life in front of your eyes. |
| Footloose | 18 MAY 2021 | Footloose was a three-phase solo dance competition. In the first round, the registered participants performed their prepared solo dance performances for one minute. |
| Bootstrapping | 19 MAY 2021 | Dance is the purest form of expression of all emotions. Some great words quote "Dance is the movement of the soul on rhythm." Dancing is a pious form of art cherished both by the performer and the viewer. |
| Navras | 19 MAY 2021 | A solo acting event where participants perform monoacts prepared by them. |
| Open-mic | 18 MAY 2022 | A solo event to showcase poetry, story telling or stand up comedy written by the participant themselves. |
| RapZap | 18 MAY 2022 | It was a solo round event in which rappers gave their rap performances with a time limit of 3 minutes. |
| Rockathon | 17 MAY 2022 | Rockathon was a group music band event. In this, the registered participants performed their prepared group band performances for fifteen minute each team. |
| Saare-Ga | 19 MAY 2022 | A solo singing event |







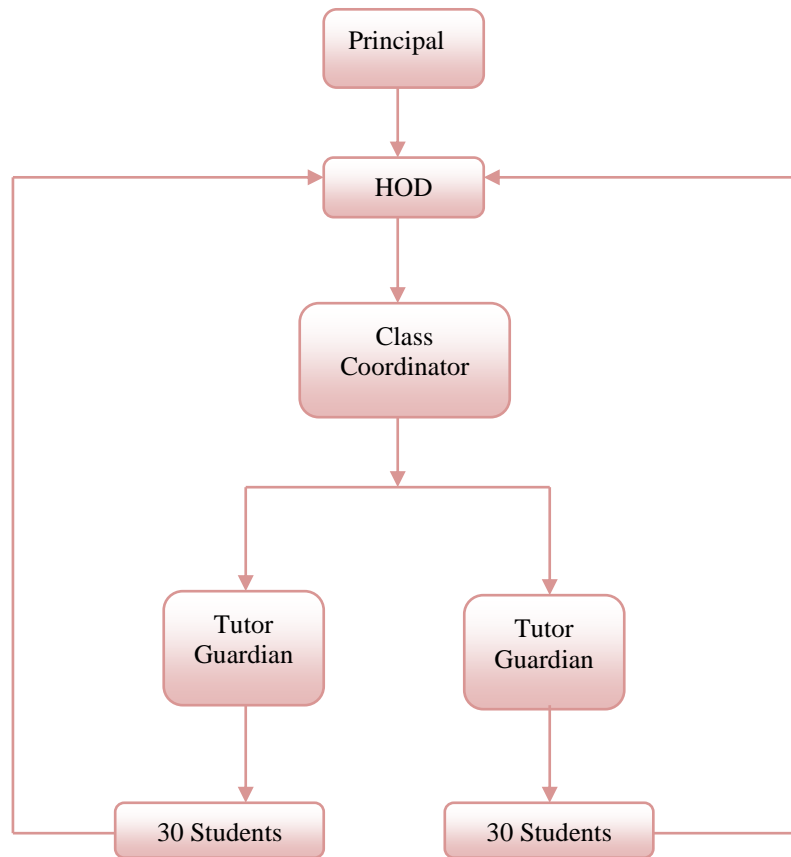




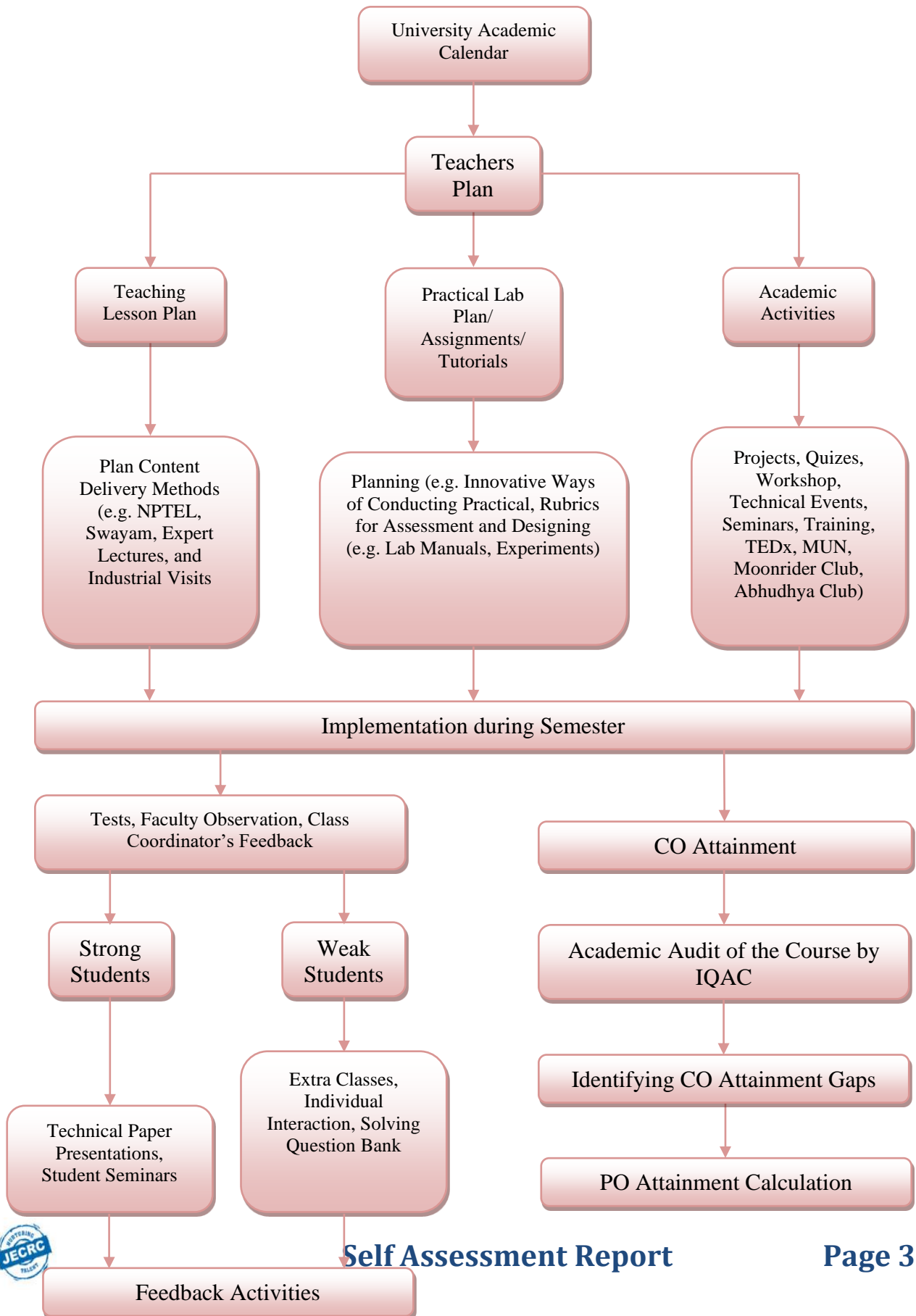


Course Work Specific/ Laboratory Specific

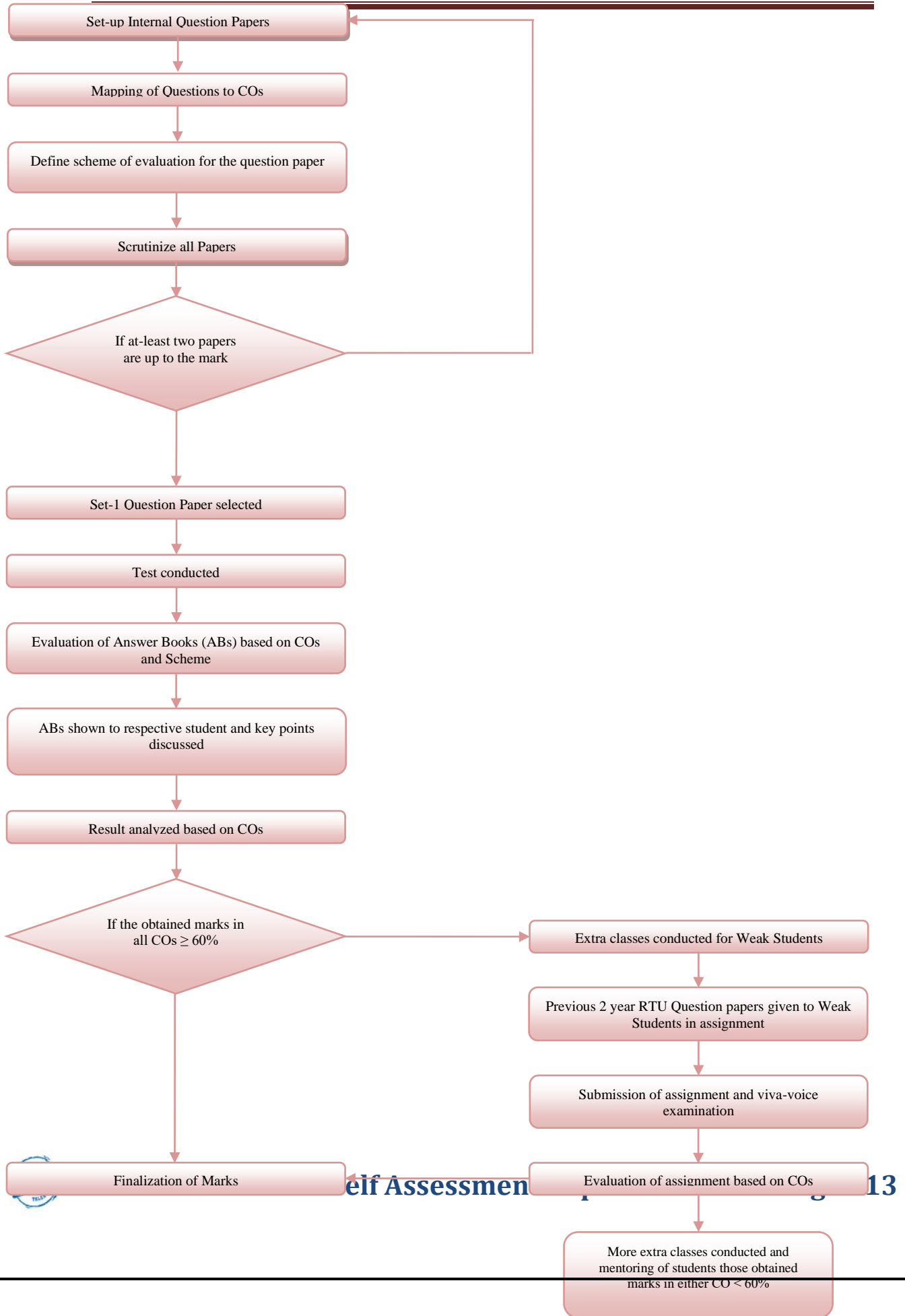
- For II and III year we have Tutor Guide (TG) who follows instructions given by Class Coordinator (CC).
- Counseling of irregular students to attend regularly laboratory classes and complete backlog experiments during specified extra hours.



Department of Electronics & Communication Engineering



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Class Coordinator Responsibilities:

- Creating learning opportunities and motivating the student community.
- Providing guidance on academic, personal and career matters.
- Resolving academic issues of students.
- Tracking academic and extra-curricular performance of students.
- Meet the students periodically and monitor their performance and their activities

No of students per class coordinator: around 20-25

| S.No. | Year | No of Class coordinator |
|-------|---------|-------------------------|
| 1 | 2021-22 | 60 |

- For IV year we have Mentor Mentee system for guiding students also.

The mentor is a model, a guide by the side, a motivator, a trainer and a counselor to the student.

Mentoring is a process for the informal transmission of knowledge and the psychosocial support. Mentoring entails informal communication, usually face-to-face and during a sustained period of time, between a person who is perceived to have greater relevant knowledge, wisdom, or experience (the mentor) and a person who is perceived to have less.

Mentor's Responsibilities:

- Take an interest in developing student's career and well-being.
- Mentors keep track of their students' progress and achievements, setting milestones and acknowledging accomplishments.
- Monitor student's readiness for Personal Interview (including Resume, Dressing sense etc.)
- **Evaluate Student Progress and Performance in Computer Based Tests. Keep record of his/her attendance in the preparatory classes and keep the department HOD informed.**
- **Encourage students for attending all the sessions for sure success.**
- **Informing students about the profile of companies coming for recruitment as per information obtained from placement department.**
- **Engage the Student beyond the Classroom especially for communication practices and emphasize the importance of communication for sure success.**
- Keep the department / panel members informed, if any student is not taking his/her sessions seriously.
- Guide student for practical training and project presentation.
- Guide students for technical interview.
- Guide and Evaluate student for GD for companies requiring GD.
- Guide students for General Knowledge about Industries in their domain.
- **Provide Ethical Guidance**

9.2. Feedback analysis and reward /corrective measures taken, if any (10)

Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis process; Basis of reward/corrective measures, if any; Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken.

- Feedback collected for all courses: **YES**
- Specify the feedback collection process: **Google form**
- Average Percentage of students who participate: **Approximate 80%**

Feedback collection process

| Items | Description |
|---|---|
| Feedback collection process | YES for all courses |
| Process | Computerized using software |
| Feedback receiver | HoD |
| Frequency of feedback collection | Once in a semester (but oral feedback from the students is taken by HoD almost every month) |
| Metrics used for calculation | 5-Excellent 4-very good 3-good 2-satisfactory 1-below average |
| Purpose of comment | For improving the quality of teaching learning process |

Specify the feedback analysis process:

The feedback collected from students is first analyzed by internal quality assessment committee (IQAC), headed by the HoD.

- Performance of each individual faculty is assessed by the concerned committee members.
- The contents of the feedback will be shared with each faculty member individually.

All the courses mentioned in the feedback form will be analyzed as follows:

| | |
|--------|--|
| Step-1 | Collection of feedback forms for all the subjects from the students based on parameters specified in feed back form. |
| Step-2 | Estimation of mean for all the parameters. |
| Step-3 | After the recommendations of IQAC, threshold value will be finalized. The normal value setup at present is 3. |

| | |
|--------|---|
| Step-4 | If the threshold exceeds from 3, it will be considered as good. If it is less, the faculty performance is considered as average or below average. |
| Step-5 | If the faculty receives good performance, he will be rewarded. If he / she receives average or below average performance, he / she gets counseling and allows them to get correct their performances. |

System of reward

System of reward process: Faculty reward is given based on the following factors:

1. Student's feedback (Format enclosed)
2. The faculty's self-appraisal report (Format enclosed)
3. The marks given by internal quality assessment committee (IQAC), headed by HOD.
4. If the faculty achieves 60% or more than 60%, an appreciation from the principal will be rewarded.

Faculty Feedback Form (2021-22)

Section 1 of 6

8th Sem - Faculty Feedback by Students Form (2021-22)

Jaipur Engineering College & Research Centre, Shri Ram ki Nangal, Via-Sitapura RIICO, Jaipur - 302022.

Vision of Jaipur Engineering College and Research Centre

To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

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To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

Mission of Jaipur Engineering College and Research Centre

M1. Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.

M2. Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions.

M3. Offer opportunities for interaction between academia and industry.

M4. Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Department of Electronics & Communication Engineering

Faculty Feedback by Students Form 6th Sem (2021-22)

Dear Students,

We believe that there is always scope for improvement and thus we strive to obtain honest feedback from our most important stake holders i.e. students, hence in this effort we request you to provide your feedback in the form given below.

Feedback rating range:

Excellent:(5) Very Good:(4) Good:(3) Satisfactory:(2) Needs improvement: (1)

Date: *

Month, day, year



Academic Year: *

1. 2021-22

Student Name: *

Short answer text



Department of Electronics & Communication Engineering

Branch: *

1. Mechanical Engineering
2. Computer Science Engineering
3. Civil Engineering
4. Electronics and communication Engineering.
5. Electrical Engineering.
6. Artificial intelligence & Data Science.
7. Information Technology.
8. First Year

Semester: *

1. II
2. IV
3. VI
4. VIII



Section: *

1. A
2. B
3. C
4. D
5. Others

Mobile Number: *

Short answer text

After section 1 Continue to next section

Section 2 of 6

8CE4-01 Project Planning and Construction Management



Description (optional)

Department of Electronics & Communication Engineering

1. Faculty Name: *

Short answer text
.....

2. How would you rate the punctuality of faculty member for taking classes? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

3. How would you rate the focus of faculty member on student's attendance/ presence in the class? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

4. How would you rate the level of quality of lectures taken by faculty member? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

5. How would you rate the faculty has covered relevant topics beyond the syllabus? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

6. How would you rate the emphasis by faculty member on explanation of syllabus on level of *
understanding through experiential learning?

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

7. How would you rate the emphasis by faculty member on participative Learning? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

8. how would you rate the level of communication skills of faculty member during lecture? *

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

9. How would you rate emphasis by faculty member involvement with students through project based learning? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

10. How would you rate ICT based learning/E-content for completion of syllabus? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

11. How would you rate motivation by faculty member for completion of syllabus in the given time period.? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

12. How would you rate the attention by faculty member on weak students? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

13. How do you rate your faculty to be given the best teacher award of department? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Department of Electronics & Communication Engineering

Faculty Appraisal Form Jaipur Engineering College and Research Centre, Jaipur

FACULTY APPRAISAL FORM (Session 2021-22)

For best faculty award

Total 200 points

Name of Faculty Member:

Department:

Designation:

| S. No. | Item Name | Maximum Points | Points obtained | Annexure attached with page No. |
|--------|--|----------------|-----------------|---------------------------------|
| 1 | Total theory subjects taught during the session (a) 60% students having B grade in subject Yes/No (b) 60% students having B grade in subject Yes/No (c) 60% students having B grade in..... subject Yes/No OR Internal Marks based on OBE for the year 2020-22 (10) Course file as per OBE (10) Student feedback (10) | 30 | | |
| 2 | Research Publication: SCI / Scopus / Web of science indexed publication: 15 points, publication having ISSN / UGC approved: 10 points, National level publication: 5 points | 30 | | |
| 3 | Faculty development programme 10 point average (one faculty development programme minimum 5 days attended 5 points, 2 points for attending 2 days workshop, subject to maximum of 10) | 10 | | |
| 4 | Research grant average 15 points for having grant of more than 5 lakh, For applying 5 points / project | 15 | | |
| 5 | Patent 10 points / Product development (5) / UHV(5) | 20 | | |
| 6 | Certification course (5) | 5 | | |
| 7 | Innovation in teaching learning (5), , online prepared MOOCs (5), | 10 | | |
| 8 | National conference (5), international conference (10), Co-curricular activity (5), FDP (UGC, AICTE, TEQIP, NITTTR) 5, Cultural activity (5), class coordinator (5), Expert Talk (5) organized OR Placement mentor / TPO (20) and other 20 from the list of this section for organizing events. | 40 | | |
| 9 | Final year project guided based on the idea of SIH / previous research publication (SCI / Scopus) / Skill based training to first year students | 10 | | |
| 10 | Institute level activity organized / participated (1 point / activity) | 5 | | |
| 11 | Any award received(1), session chair in conference (1), guest lecture (1), invited talk (1), etc. other then JECRC | 5 | | |



Department of Electronics & Communication Engineering

| | | | | |
|----|--------------------------------------|-----|--|--|
| 12 | HOD recommendation maximum 20 points | 20 | | |
| | Total | 200 | | |

Note: HOD will verify the documentary proof.

Signature of Faculty

Signature of HOD

Registrar (Reviewing Officer)

Signature of Principal

Jaipur Engineering College & Research Centre

| | |
|------------------|--|
| From : OS Office | To : Shri Akhilesh Paliwal, Mechanical Engineering |
|------------------|--|

11.04.2022

APPRECIATION LETTER

Shri Akhilesh Paliwal
Assistant Professor

Through Program Coordinator/HOD

Congratulations!

As per the faculty, self-appraisal report submitted by you for the session 2020-21 has evaluated by the IQAC and found satisfactory. You have scored total 127 points out of 200.

Institute appreciates efforts & association. We hope that you will sustain such performance in the years to come.

API scores of previous year: -

| | |
|-----------|-----------|
| 2018-19 | 2019-2020 |
| 102.5/200 | 127.5/200 |



PRINCIPAL

Copy to -

1. Vice Chairman
2. Director
3. Concerned Program coordinator/HOD
4. Concerned faculty member
5. Personal file



Department of Electronics & Communication Engineering

Non- Teaching Appraisal Form
Jaipur Engineering College and Research Centre, Jaipur
TECHNICIAN APPRAISAL FORM FOR THE YEAR 2021-22
Total 150 points

Name of the Technician:
Designation:

Department:
Date of joining:

Confidential Report

| S. No. | Item Name | Maximum Points | Points obtained |
|--|---|----------------|-----------------|
| 1 | Regularity (Days Present x actual lab hr engaged) / (Working days x Total lab hr) x 25 | 25 | |
| 2 | Maintenance & Repairs How many lab equipments available in the lab A How many are in working condition B How many repaired yourself C Remaining repairing status D = [(B+C) / A] x 10 | 10 | |
| 3 | How many experiment performed by yourself = (No. of experiment performed / Total Experiment) x 5 | 5 | |
| 4 | Cleaning (1 marks per day) 1. Wearing proper neat & clean formal dress 2. Cleaning of labs rooms, tables, equipments etc. | 25 | |
| 5 | Stock Register 1. Maintained stock register 2. Timely following stock audit process | 20 | |
| Criteria No. 6 to 8 - To be filled by the concerned HOD | | | |
| 6 | Behavior with faculty and HODs | 15 | |
| 7 | New skill certificate taken for lab | 30 | |
| 8 | HOD recommendation 1. Timely opening of lab 2. Maintaining lab properly 3. Properly close the lab after college hour 4. Performing other assignments other than assigned lab work 5. Behavior with the other colleagues and students | 20 | |
| Total | | 150 | |

Signature of Technician

Signature of HOD

PRINCIPAL

Note: 1. HOD will verify the documentary proof.



Department of Electronics & Communication Engineering

Jaipur Engineering College and Research Centre, Jaipur

TECHNICIAN APPRAISAL FORM FOR THE YEAR 2020-21

Total 150 points

Name of the Technician: Vaishali Yadav

Designation: Lab Tech.

Department: ECE

Date of joining: 27/9/12

Confidential Report

| S. No. | Item Name | Maximum Points | Points obtained |
|--|---|----------------|-------------------------------|
| 1 | Regularity (Days Present x actual lab hr engaged) / (Working days x Total lab hr) x 25 | 25 | 23 |
| 2 | Maintenance & Repairs How many lab equipments available in the lab A <u>16</u> How many are in working condition B <u>12</u> How many repaired yourself C <u>2</u> Remaining repairing status D <u>4</u> = [(B+C) / A] x 10 | 10 | 9.2 |
| 3 | How many experiment performed by yourself = (No. of experiment performed / Total Experiment) x 5 <u>8/10</u> | 5 | 4 |
| 4 | Cleaning (1 marks per day) 1. Wearing proper neat & clean formal dress 2. Cleaning of labs rooms, tables, equipments etc. | 25 | 23 |
| 5 | Stock Register 1. Maintained stock register 2. Timely following stock audit process | 20 | 18 |
| Criteria No. 6 to 8 - To be filled by the concerned HOD | | | |
| 6 | Behavior with faculty and HODs | 15 | 14 |
| 7 | New skill certificate taken for lab | 30 | — |
| 8 | HOD recommendation 1. Timely opening of lab 2. Maintaining lab properly 3. Properly close the lab after college hour 4. Performing other assignments other then assigned lab work 5. Behavior with the other colleagues and students | 20 | 4 4 4 4 4 3/19 |
| Total | | 150 | 110.2 |

Signature of Technician

Signature of HOD

PRINCIPAL

Note: 1. HOD will verify the documentary proof.



Department of Electronics & Communication Engineering

Corrective measures:

- Explanation from the faculty will be demanded for the inappropriate result and subsequent action will be processed.
- Counseling will be given to the concerned faculty by HOD and Principal.
- Promoting and encouraging faculty to attend the faculty development programs (FDP), short term programme (STP), Conferences, MOOC'S, Guest lectures, industry visit.

Faculty Development Program

| Year | Sr. No | Title of the professional development program organized for teaching staff | Title of the administrative training program organized for non-teaching staff | Dates (from-To) | No of participants (Teaching staff) | No. of participants (Non-teaching staff) |
|---------|--------|--|---|--------------------------------|-------------------------------------|--|
| 2021-22 | 1 | One week FDP on "NBA Accreditation through Outcome based Education" conducted by Media Eng. Dept. in association with JECRC IQAC cell. | NA | 21/02/2022 to 25/02/2022 | 59 | NA |
| | 2 | ATAL Academy Online FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" at JECRC Jaipur | NA | 3-01-2022 to 7-01-2022 | 128 | NA |
| | 3 | One Week Online event "ENHANCING EMOTIONAL IMMUNITY" | NA | 21/02/2022 to 25/02/2022 | 97 | NA |
| | 4 | One Week Online Mediation Course | NA | 03/03/2022 to 07/03/2022 | 29 | NA |
| | 5 | Online Session on "Study Techniques & Time Management" | NA | 18/04/2022 | 9 | NA |



Department of Electronics & Communication Engineering

| | | | | | |
|---|---|----|--------------------------------|-----|----|
| 6 | Two days online event: Enlightenment | NA | 5 & 6 October, 2022 | 44 | NA |
| 7 | online 3-day workshop on "Covid Care and Immunity Enhancement | NA | July 8-10, 2021 | 500 | NA |
| 8 | Basics of Hardware in Loop Simulation | NA | 02/05/2022 to 06/05/2022 | - | NA |
| 9 | Five day Workshop On Creative Plantation | NA | 28-032022 to 01-04- 2022 | 50 | NA |

National and International Conferences (2021-22)

| S# | Name of conference | Date | Level of conference | Relevance to Pos |
|----|---|---------------------------|------------------------|---|
| 1 | "RACON-22" | 7-8 June 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
| 2 | " ICAMCM-22" | 17-18 June 2022 | International | PO1, PO4, PO10, PSO1, PSO2 |
| 3 | ‘Recent Trends and Smart Technologies in Electrical Engineering-2022’ | 20.05.2022- 21.05.2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
| 4 | Emerging Trends in Civil Engineering For Sustainable Development | | National | PO1, PO4, PO10, PSO1, PSO2 |
| 5 | Information Technology and Security Applications | May 14-15, 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |



Department of Electronics & Communication Engineering

| | | | | |
|---|---|----------------------|---------------|--|
| 6 | Recent Innovations & Technological Development in Mechanical Engineering | 11-12 March, 2022 | International | PO1, PO4, PO10, PSO1 , PSO2 |
| 7 | Futuristic Trends in Mechanical Engineering | 25-26 May, 2022 | National | PO1, PO4, PO10, PSO1 , PSO2 |

Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers

- Students Attendance Report
- MTT Results
- University Results
- Final Passing Percentages
- Placement Record
- Student's performance in National and International conferences
- Student's performance in Technical Workshops
- Student's participation in Intra and Inter college competitions
- Co-curricular and Extra-curricular activities.

MOU's have been done with industries to emphasize on

- (a) Internship
- (b) Project Workshop for Students
- (c) Industrial Visits
- (d) Students specific Training



Department of Electronics & Communication Engineering

Details of MOU (2021-22)

| S.No . | Organi sation with which MoU is signed | Name of the institutio n/ industry/ corporate house | Year of signin g MoU | Durati on | List the actual activities under each MOU | Depart ment | Number of students /teacher s particip ated under MoUs | Activi ty Report Link | MO U LI NK |
|--------|--|---|----------------------|-----------|---|-------------|--|-------------------------------|-----------------------|
| 1 | Made Easy Educati on Pvt. Ltd., Jaipur | Made Easy Education Pvt. Ltd., Jaipur | 2022 | 3 Years | One day Seminar on "Career Guidance & Future Opportuniti es After Engineering " | ECE | 68 | View Document | Lin k |
| | | | | | One Day Seminar on "Career Seminar by Made Easy" | EE | 45 | View Document | |
| | | | | | Seminar on Career Counselling | IT | 84 | View Document | |
| | | | | | A Guest Lecture on "Career Opportuniti es for Graduate Engineers" | ME | 42 | View Document | |
| 2 | Amritsar Group of College s, Amritsar | Amritsar Group of Colleges, Amritsar | 2022 | 3 Years | Workshop under students exchange programme | ME | - | View Document | Lin k |

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| | | | | | | | | | |
|---------|--------------------|--------------------|-------------------------------|----------------|------------------|--------|-----------|-------------------------------|----------------------|
| 3 | Google Cloud | Google Cloud | 2020 | Since Dec,2020 | Internship | CSE,IT | Approx 95 | View Document | Link |
| | | | | | Add on GCCF-AIDS | AIDS | 20 | View Document | |
| | | | | | GCCF-1 | CSE | 274 | View Document | |
| | | | | | GCCF-2 | CSE | 274 | View Document | |
| | | | | | GCCF-3 | CSE | 274 | View Document | |
| | | | | | GCCF-4 | CSE | 274 | View Document | |
| | | | | | GCR-1 | CSE | 74 | View Document | |
| | | | | | GCR-2 | CSE | 76 | View Document | |
| | | | | | GCR-3 | CSE | 75 | View Document | |
| | | | | | GCR-4 | CSE | 67 | View Document | |
| | | | | | GCCF-3 | IT | 39 | View Document | |
| | | | | | GCCF-4 | IT | 39 | View Document | |
| GCCF-IT | IT | 113 | View Document | | | | | | |
| 4 | Upflairs Pvt. Ltd. | Upflairs Pvt. Ltd. | 2021 | 3 Year | Internship | ECE | 184 | View Document | Link |

Department of Electronics & Communication Engineering

| | | | | | | | | | |
|---|----------------------------|----------------------------|------|--------|---|--------------------|------|-------------------------------|----------------------|
| | | | | | Machine Learning and Data Science using Python | ECE | 135 | View Document | |
| | | | | | Embedded System | ECE | 159 | View Document | |
| | | | | | Artificial Intelligence | ECE | 164 | View Document | |
| | | | | | Advance Embedded System and Design | ECE | 155 | View Document | |
| | | | | | Web development with django | CSE | 85 | View Document | |
| | | | | | Machine learning and python | CSE | 96 | View Document | |
| | | | | | ML-IT | IT | 19 | View Document | |
| 5 | PCOS PCOD Clinic MOM | PCOS PCOD Clinic MOM | 2021 | | Faculty Consultation session | College level | 9 | View Document | Link |
| 6 | Hewlett Packard Enterprise | Hewlett Packard Enterprise | 2021 | 5 Year | Placement | College level | 12 | View Document | Link |
| 7 | MOU with Coding Ninjas | MOU with Coding Ninjas | 2021 | | Access to Coding Ninjas Course introduction to programming". | CSE,IT, ECE,M E,CE | 1510 | View Document | Link |

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| | | | | | | | | | |
|----|--|--|------|----------|---|---|---------------------------|-------------------------------|----------------------|
| 8 | Internshala | Internshala | 2021 | 1 Year | Internship | College level | 221 | View Document | Link |
| 9 | CSRBOX(Reanalysis consultancy pvt.ltd) | CSRBOX(Reanalysis consultancy pvt.ltd) | 2020 | 1.5 Year | - | | | - | Link |
| 10 | DoIT &, Communication, Government of Rajasthan | DoIT &, Communication, Government of Rajasthan | 2021 | 3 Years | - | | | - | Link |
| 11 | Elsevier (Materials Today: Proceedings) | Elsevier (Materials Today: Proceedings) | 2022 | 6 Months | 2nd International Conference on Advances in Materials Science, Communication and Microelectronics, 17-18 June 2022, Jaipur, India | ECE | Internal-24, External-125 | View Document | Link |
| 12 | RVR Innovations LLP | RVR Innovations LLP | 2021 | 3 Years | Student-Link | For Student login UID:10101 Password:jecrc | | Student-Link | Link |
| | | | | | Admin-Link | For Admin Login UID:ho | | Admin-Link | |



Department of Electronics & Communication Engineering

| | | | | | | d.cse@j ecrc.ac.i n Passwor d:jecrc | | | |
|----|--|--|-----------------------------------|--------------------------------------|--|--|------------|-------------------------------|----------------------|
| 13 | Bhartiya Skill Development University, Jaipur | Bhartiya Skill Development University, Jaipur | 2020 | 3Years | Bhartiya Skill Development University, Jaipur Field Trip(ME) | ME | 88 | View Document | Link |
| | | | | | Bhartiya Skill Development University, Jaipur Field Trip(EE) | EE | 85 | View Document | |
| 14 | Automation Anywhere | Automation Anywhere | 2019 | 3Years | A Seminar on "Robotics and automation in Industries" | ECE | 79 | View Document | Link |
| 15 | CADD Centre Training Services, Raja Park, Jaipur | CADD Centre Training Services, Raja Park, Jaipur | 2019 | 3Years | Training and Certificate Course | ME | 2 and more | View Document | Link |
| 16 | Baba Automobiles Pvt.Ltd. | Baba Automobiles Pvt.Ltd. | 2020 and after renewal for 3years | 1 year after that renewal for 3 year | Electric Vehicles | ME | 45 | View Document | Link |
| | | | | | E Vehicles_PowerStorage&Transmission | ME | 55 | View Document | |



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|----|-------------------------------------|-------------------------------------|--------------|----------|---|---------------|----|-------------------------------|----------------------|
| | | | | | EVehicle_ Working&A ssembly | ME | 37 | View Document | |
| | | | | | Hybrid and Advanced EVehicles | ME | 45 | View Document | |
| | | | | | Internship | ME | 5 | View Document | |
| 17 | Celonis | Celonis | 2022 | 2 Years | Training and Certification of Faculties under Academic Alliance with Celonis | College Level | - | View Document | Link |
| | | | | | Orientation seminar by Celonis | College Level | - | View Document | |
| 18 | Igen Edu Solutions Pvt. Ltd., India | Igen Edu Solutions Pvt. Ltd., India | 2022 | 3 Years | Various Patents | College Level | 9 | View Document | Link |
| 19 | Dudley College Broadway, UK | Dudley College Broadway, UK | 2017 onwards | Till Now | AICTE-UKIERI Further Education Leadership and Management Training Programme(Phase-1) | College Level | 15 | View Document | Link |
| | | | | | AICTE-UKIERI Further Education Leadership and Management | College Level | 9 | | |

Department of Electronics & Communication Engineering

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|----|--|---|-----------|---------|---|---------------|-------------------------|-------------------------------|----------------------|
| | | | | | t Training Programme(Phase-2) AICTE-UKIERI Further Education Leadership and Management Training Programme(Phase-3) | College Level | 9 | | |
| 20 | Techie Nest Pvt. Ltd. | TechieNest Pvt. Ltd. | 2019 | 3 Years | Internship | ECE | 93 | View Document | Link |
| | | | | | Python Application Development | ECE | 219 | View Document | |
| | | | | | AI tools and Techiques | ECE | 230 | View Document | |
| 21 | FACE(A Unit of Focus 4D Career Education Pvt.Ltd.) | FACE(A Unit of Focus 4D Career Education Pvt.Ltd.) | Apr.,2022 | - | Placement related training | College Level | All Final Year Students | View Document | Link |
| 22 | Infosys Campus Connect | Infosys Campus Connect | Dec.2021 | 2 Years | Faculty Enablement Program on Artificial Intelligence | AI DS | 2 | View Document | Link |
| | | | | | TTT Program on Java Programming Using | AI DS | 2 | View Document | |

Department of Electronics & Communication Engineering

| | | | | | | | | | |
|--|--|--|--|--|--|-------|-----|-------------------------------|--|
| | | | | | Spring Board Platform (Phase-1) | | | | |
| | | | | | TTT Program on Java Programming Using Spring Board Platform (Phase-2) | AI DS | 3 | View Document | |
| | | | | | Faculty Enablement Program on Programming Fundamentals of Python Using Spring Board Platform | AI DS | 2 | View Document | |
| | | | | | Student Development Program on Python, DBMS, OOPs, DSA and JAVA using Spring Board Platform | AI DS | 271 | View Document | |



9.3 Feedback on facilities (5)

| S. No. | Facility | How feedback is taken | Type of Record | Action Taken |
|--------|---|---|------------------------------------|---|
| 1 | Hostel Sh P. K. Gupta (CAO /Chief warden) | Entry in the register / discussion with warden / written application / Grievance cell | About Stay in the hostel | Sharing of room changed from 4 to 3 |
| | | | About Food | Student committee and warden |
| | | | About Timing | Boys and girls timings are fixed but on demand as per requirement permission is provided. |
| | | | Maintenance | Entry in register and corrective action |
| | | | Medical Exigency | Ambulance register |
| 2 | Transport Sh. Ravi Bhatnagar (Bus Incharge) | Written application with Bus In charge | Route | Recorded with bus in charge and appropriate action is taken |
| | | | Fees | |
| | | | Flexibility / Maintenance of buses | |
| 3 | Library Dr. Anita Jain (Chief Librarian) | Departments are taking feedback related to library and thus submitted to librarian | Timing | Appropriate action taken by Library incharge |
| | | | Books | |
| | | | Publication | |
| | | | E-books | |
| 4 | Sports Dr. Rajesh Sharma (Sports Incharge) | Feedback taken by sports incharge | Ground | Sports incharge takes appropriation decision |
| | | | Participation | |
| 5 | Over all maintenance Sh. Yogendra Sharma | Feedback from Block Incharges | About maintenance & Safety | |

Department of Electronics & Communication Engineering

| | | | | |
|---|------------------------------|--------------------|----------------------|--------------------------|
| 6 | Security Sh. P. K. Tiwari | Over all security | Meetings every month | Feedback in the meeting |
| 7 | Medical Facility | CAO is responsible | Files maintained | Medical OPD First aid |

Cleanliness feedback:

Soch Initiative (Soch –Coordinator)

SWACHCHH JECRC

SOCH-KUCHH KAR DIKHAANE KI, keeping this motto in mind, the **Team Soch** of JECRC stepped an extra mile to realize the dream project of the H'ble Prime Minister Sh. Narendra Modi, **Swachhh Bharat Abhiyan**, by launching an innovative digitally enabled campaign **SWACHCHH JECRC**. This campaign was aimed to contributing to the society in terms of cleaning the JECRC campus through the QR code. This campaign changed the whole idea of cleanliness. Never did anyone think that cleanliness could be monitored digitally.

In this campaign, a special QR code was designed by the technically advanced students of JECRC and put on the posters, dustbins, all over the campus, to expedite the cleanliness drive, which could be accessed through any smartphone, prompting to fill a google form for complaining against any negligence in cleanliness or giving any suggestions regarding the misplacement of the dustbins, areas not cleaned etc for example.

The following link can be used for filling the form:

<https://goo.gl/EAnOqd>

This google form contains many points, such as, College Area Map, Issues Related to Dustbins, Complaints Related to Cleanliness etc. A few screenshots are:

For any trash, smeared environment, a complaint can be filed by scanning the QR code. By scanning the QR code, a dialog box pops up on the screen which leads us directly to the complaint form. The data filled in the form reaches our supervisors and a response is given within 24 hours.

We get about 10 to 20 number of complaints every day and making it a count of 375 till date which is really astonishing.

In this changing era of digitalization, this innovative **SWACCH JECRC** campaign has done a great work.



Department of Electronics & Communication Engineering



Latitude: 26.782216
Longitude: 75.824036
Elevation: 364.5433 m
Accuracy: 8.9 m
Time: 20-11-2021 14:29
Note: JECRC Foundation, Sitapura, Jaipur



Latitude: 26.782175
Longitude: 75.824022
Elevation: 364.7613 m
Accuracy: 4.6 m
Time: 20-11-2021 14:28
Note: JECRC Foundation, Sitapura, Jaipur



Latitude: 26.782172
Longitude: 75.824002
Elevation: 364.8813 m
Accuracy: 8.8 m
Time: 20-11-2021 14:28
Note: JECRC Foundation, Sitapura, Jaipur



Latitude: 26.782197
Longitude: 75.824049
Elevation: 365.513 m
Accuracy: 151.8 m
Time: 20-11-2021 14:29
Note: JECRC Foundation, Sitapura, Jaipur

- 15 days celebration took place as “SwacchataPakhwada” in JECRC, students were participated in this activity, checked for clean campus.
- Students as well as faculties were involved to clean the campus and program continued for 15 days.





Transport Facility

Jaipur Engineering College & Research Centre, Shri Ram ki Nangal, Via-Sitapura RIICO, Jaipur - 302022.

 priyajyotiyana.cse@jecrc.ac.in (not shared) [Switch account](#)



* Required

Vision of Jaipur Engineering College and Research Centre

To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

Mission of Jaipur Engineering College and Research Centre

M1. Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.

M2. Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions.

M3. Offer opportunities for interaction between academia and industry.

M4. Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Student's Hostel Facility Feedback Form

Dear Students,

We believe that there is always scope for improvement and thus we strive to obtain honest feedback from our most important stake holders i.e students, hence in this effort we request you to provide your feedback in the form given below.

Feedback rating range:

Excellent:(5) Very Good:(4) Good:(3) Satisfactory:(2) Needs improvement: (1)

Date: *

Date

mm/dd/yyyy

1/22/22, 2:51 PM

Students Hostel Facility Feedback Form (2019-20)

To what extent you agree that hostel surroundings are secure. *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

To what extent the cleanliness of kitchen and dining space are properly taken care of. *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

To what extent you agree that food in the mess is served fresh. *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

To what extent you agree that timings of mess are properly maintained. *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Department of Electronics & Communication Engineering

1/22/22, 2:51 PM

Student's Hostel Facility Feedback Form (2019-20)

Academic Year: *

Your answer

Student's name: *

Your answer

Parent's Name: *

Your answer

Branch: *

Your answer

Student's E-mail Id: *

Your answer

Student's Mobile No.: *

Your answer



Department of Electronics & Communication Engineering

1/22/22, 2:51 PM

Students Hostel Facility Feedback Form (2019-20)

To what extent the Wi-Fi facility is available in the hostel campus. *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How would you rate the cooperativeness and accessibility of hostel staff? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How would you rate the menu is properly displayed? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How would you rate Do's and Don'ts are displayed? *

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Any suggestion for above parameters. *

Your answer



Submit

[Clear form](#)





Hostel Room



Dinning Area

9.4. Self-Learning (5)

(The institution needs to specify the facilities, materials and scope for self-learning / learning beyond syllabus, SWAYAM , NPTEL, MOOCs etc. and evaluate their effectiveness)

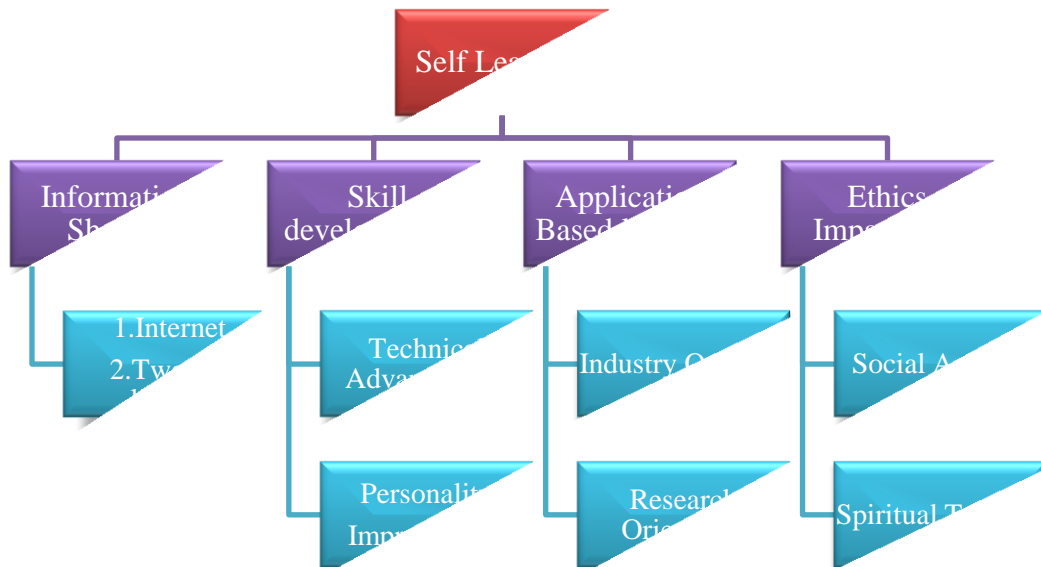
Self-Learning method is an individualized method of learning collecting information, processing it, and retaining it without the needs for another individual to teach it. For self-learning or learning beyond syllabus during the semesters we provide information sharing material and orgnize different types of activities like workshop, training, conferences, club activities, quiz etc. For these

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activities academic calendar has sufficient provisions and HOD is authorized to change in schedule with permission of respective authorities.

I. Scope of Self – Learning

- Assignments
- Professional bodies
- Seminars
- Web based learning
- Library
- Industrial visits



Availability of Facility, Materials and Scope for Learning

| S.No. | Activities | Beneficiary | Details |
|-------|-----------------------|----------------------|---|
| 1 | 2-tier Library System | Faculties & Students | The institute has the effective 2-tier Library System both at Institute and the departmental level. The library is facilitated with more than two thousand books and more than eight thousand e-books, GATE, CAT preparation material, NPTEL video for students. |

Department of Electronics & Communication Engineering

| | | | |
|----|--|---------------------------|---|
| 2 | Availability of Internet facility in All labs. | Faculties & Students | Our institute has dedicated 12 Mbps lease line with 100% uptime. The labs is equipped with internet facility and at any time internet can be made available in all the labs. |
| 3 | Moocs like Swayam Prabha, NPTEL, Virtual Lab | Faculties & Students | SWAYAM is a programme initiated by Government of India, the objective of this effort is to take the best teaching learning resources to all. |
| 4 | Personality Development lectures | VII | Creativity, lateral thinking and communication / people management skills are essential Components for progress in any sphere. Students are encouraged to develop these through goal setting exercises, group discussions, mock interviews and presentations. |
| 5 | Face classes | VII | Special classes conduct to improve Aptitude, Reasoning (Verbal and nonverbal), Soft skill and communication of students for placement purpose. |
| 6 | Industrial visit | V,VI | To bridge the gap between Industry and academia, various modules are covered. |
| 7 | Training program /Workshop/Seminars | All students | To enhance knowledge and develop technical skill. |
| 8 | Technical Events | All students | To enhance the technical knowledge. |
| 9 | International /national Conferences | Faculties & Students | For sharing new ideas and innovation common platform is provided. |
| 10 | FDP's | Faculty & Technical staff | Development of faculties. |
| 11 | Social activities: (A) Zarurat (B) Soch (C) Aashayein (D) Suhasini | All Students | All round development essentially means intellectual, physical, moral, sensible and social development. |
| 12 | Spiritual Training | Faculties & Students | For help in increasing mental capacity to focus better |
| 13 | Professional bodies | Students | <i>SAE India for the development of technical information on all forms of self-propelled</i> |

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| | | | |
|----|-------------|----------|---|
| | | | <i>vehicles including automobiles, aircraft, aerospace vehicles and transit system.</i> |
| 14 | Assignments | Students | It enabled students to go through the topics in a more elaborate manner in order to explore the academic topic which lead to an overall better learning experience for students. Assignments help the students to understand the subject in a more detailed pattern. |

No. of students crack competitive exams

| Year | No. of Student appeared online exam | No. of Student (Passed) |
|-----------|-------------------------------------|-------------------------|
| 2021-2022 | 44 | 17 |

Personlity Improvement

| Year | Faculty | No of students enrolled (Soft Skill) |
|-----------|----------------|--------------------------------------|
| 2021-2022 | FACE Faculties | 652 |

| Year | Name of event | Object of event | No. of students participated | Date of event |
|---------|--|---|------------------------------|------------------------|
| 2021-22 | Pre placement training program by Face | Bridging gap between academics & Industry | 652 | 1/7/2021- 18/8/2021 |

Internship Details (2021-22)

| List of students undertaking project work/field work/internship | | | | | |
|---|--------------|--------------|--------------------------------|-------------------------|--|
| S.No. | Program Name | Program code | Projects/Field work/Internship | Name of Student | Industrial training |
| 1 | CE | 105 | Internship | Aashutosh jwala | domestic data entry |
| 2 | CE | 105 | Internship | Abhay Kumar Bharti | Domestic Data Entry Operator - English |
| 3 | CE | 105 | Internship | Abhinav Sharma | TCS iON Career Edge - Young Professional |
| 4 | CE | 105 | Internship | Abhinav singh shekhawat | E skills |



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| | | | | | |
|----|----|-----|------------|--------------------|--|
| 5 | CE | 105 | Internship | Abhinna Gupta | Domestic Data Entry Operator |
| 6 | CE | 105 | Internship | Abhishek sen | Domestic data entry operator |
| 7 | CE | 105 | Internship | Aditya Gupta | AutoCad |
| 8 | CE | 105 | Internship | Aditya Son Ladna | Training based on skills which required in industries. |
| 9 | CE | 105 | Internship | Ajay chaudhary | The Fundamental of Digital marketing |
| 10 | CE | 105 | Internship | Ajay Detwal | E-skills |
| 11 | CE | 105 | Internship | Ajay kumar jangid | Auto Cadd |
| 12 | CE | 105 | Internship | Alok Meena | Civil cad |
| 13 | CE | 105 | Internship | Amaan Khan | Domestic Data Entry Operator- English |
| 14 | CE | 105 | Internship | Ankit Kumar Meena | AutoCAD |
| 15 | CE | 105 | Internship | Anshuman Singh | Domestic data entry |
| 16 | CE | 105 | Internship | Anurag gehlot | technical communication and artificial intelligence & IT foundational skills |
| 17 | CE | 105 | Internship | Arpit Kumar Jain | Construction to special repair drainage block |
| 18 | CE | 105 | Internship | Arya jaif | Web development |
| 19 | CE | 105 | Internship | Aryan Jaiman | Domestic Data Entry Operator-English |
| 20 | CE | 105 | Internship | Asgar imam | The Fundamental of Digital marketing |
| 21 | CE | 105 | Internship | Ashish kumar meena | Investment management virtual internship program |
| 22 | CE | 105 | Internship | Ashish Pahadia | Civil Cad |
| 23 | CE | 105 | Internship | Ashutosh Sharma | Fundamental of digital marketing, /concrete take off, design program |
| 24 | CE | 105 | Internship | Ashwani kumar | Domestic Data Entry |
| 25 | CE | 105 | Internship | Avika Mour | Domestic Data Entry Opretor- English |

Department of Electronics & Communication Engineering

| | | | | | |
|----|----|-----|------------|--------------------------|--|
| 26 | CE | 105 | Internship | Bhartendu Agnihotri | Domestic Data Entry |
| 27 | CE | 105 | Internship | Chandan nama | Infrastructure, design |
| 28 | CE | 105 | Internship | Chandra Shekhar | auto cadd |
| 29 | CE | 105 | Internship | Chandrakant | Infrastructure, design |
| 30 | CE | 105 | Internship | Chelsi Mewara | DOMESTIC DATA ENTRY OPERATOR- ENGLISH |
| 31 | CE | 105 | Internship | Chelsi Nagar | Domestic data entry- English |
| 32 | CE | 105 | Internship | Daksh Paharia | Civil cad |
| 33 | CE | 105 | Internship | DEENDAYAL MEENA | Young prfession |
| 34 | CE | 105 | Internship | Deepak Verma | Domestic Data Entry Operator - English |
| 35 | CE | 105 | Internship | DEVESH JHARWAL | DOMESTIC DATA ENTRY OPERATOR- ENGLISH |
| 36 | CE | 105 | Internship | Devesh Kumar | Domestic Data Entry Operator - English |
| 37 | CE | 105 | Internship | Dhananjay Singh Rathore | C++ |
| 38 | CE | 105 | Internship | Dheeraj Kumar meena | John holland |
| 39 | CE | 105 | Internship | Dipesh meena | Domestic data entry operator- English |
| 40 | CE | 105 | Internship | Divyansh dhakar | Autocad video training |
| 41 | CE | 105 | Internship | Dixant gautam | Design programming |
| 42 | CE | 105 | Internship | Garbhit Kumawat | C-language |
| 43 | CE | 105 | Internship | Gaurav singh rajput | Domestic data entry operator |
| 44 | CE | 105 | Internship | Gaurav verma | Domestic data entry operator |
| 45 | CE | 105 | Internship | Gourav rawat | Domestic data entry – English |
| 46 | CE | 105 | Internship | Hanumant singh shekhawat | TCS ION CAREER EDGE |
| 47 | CE | 105 | Internship | Harsh Sharma | Domestic Data Entry Operator- English |

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| | | | | | |
|----|----|-----|------------|------------------------|---|
| 48 | CE | 105 | Internship | Harshit Kumar Parashar | TCS ION Career Edge - Young Professionals |
| 49 | CE | 105 | Internship | Himanshu choudhary | Data entry |
| 50 | CE | 105 | Internship | Himanshu Gour | Data entry operator |
| 51 | CE | 105 | Internship | Himanshu mangal | Autocadd |
| 52 | CE | 105 | Internship | Hritik rawal | Domestic data entry operator- english |
| 53 | CE | 105 | Internship | KAMAL PRAJAPAT | Career edge |
| 54 | CE | 105 | Internship | Karan sharma | Domestic Data Entry operator |
| 55 | CE | 105 | Internship | Kartik Pachlangia | Domestic data entry operator |
| 56 | CE | 105 | Internship | Khem raj | Communication skills |
| 57 | CE | 105 | Internship | Khushal yadav | Investment banking |
| 58 | CE | 105 | Internship | Kishan sharma | Domestic data entry operator |
| 59 | CE | 105 | Internship | Kush sharma | Domestic data entry operator |
| 60 | CE | 105 | Internship | Lalit dhakad | Domestic data entry operator |
| 61 | CE | 105 | Internship | Lavkush | Communication skills |
| 62 | CE | 105 | Internship | Madhvendra singh | Auto cad |
| 63 | CE | 105 | Internship | Mayank meena | Auto cadd |
| 64 | CE | 105 | Internship | Mohd. Akib Theem | AutoCadd |
| 65 | CE | 105 | Internship | Naman Jain | Auto Cadd |
| 66 | CE | 105 | Internship | Naman Sahay Bhatnagar | AutoCAD |
| 67 | CE | 105 | Internship | Naresh meena | Auto cad |
| 68 | CE | 105 | Internship | Naresh Pareek | Autocad |
| 69 | CE | 105 | Internship | Naveen Kumar | AutoCAD |
| 70 | CE | 105 | Internship | Nilesh | Auto Cadd |
| 71 | CE | 105 | Internship | Parth Jain | Auto CAD |
| 72 | CE | 105 | Internship | Prakash meena | Auto cad |

Department of Electronics & Communication Engineering

| | | | | | |
|----|----|-----|------------|------------------------|------------------------------|
| 73 | CE | 105 | Internship | Praveen Kumar Jadon | Auto Cadd |
| 74 | CE | 105 | Internship | Priyanka | AutoCAD |
| 75 | CE | 105 | Internship | Priyanka Sharma | AutoCAD |
| 76 | CE | 105 | Internship | Rachit Surolia | Auto Cad |
| 77 | CE | 105 | Internship | Raghav Sharma | AutoCAD |
| 78 | CE | 105 | Internship | Rahul Choudhary | AutoCAD |
| 79 | CE | 105 | Internship | Rahul kumar sain | Auto Cad |
| 80 | CE | 105 | Internship | Rajeev Sharma | Auto CAD |
| 81 | CE | 105 | Internship | Raman Agarwal | Autocad |
| 82 | CE | 105 | Internship | RAMCHAND MEENA | Autocad video training |
| 83 | CE | 105 | Internship | REHANSH SHARMA | Auto cad |
| 84 | CE | 105 | Internship | Ritesh Kumar | Auto Cadd |
| 85 | CE | 105 | Internship | Ritik bagraniya | Auto cad |
| 86 | CE | 105 | Internship | Rohit Kumar Singh | AutoCAD |
| 87 | CE | 105 | Internship | Rohit Sharma | Autocad |
| 88 | CE | 105 | Internship | Sachin | AutoCAD |
| 89 | CE | 105 | Internship | Sachin Kumar Singhal | Auto cad |
| 90 | CE | 105 | Internship | SACHIN MEENA | Auto cad |
| 91 | CE | 105 | Internship | Saumya Katariya | Auto Cadd |
| 92 | CE | 105 | Internship | Saurabh kumar meena | Auto Cadd |
| 93 | CE | 105 | Internship | Shobhit nagar | Data entry |
| 94 | CE | 105 | Internship | Shoyab Tanwar | Auto cadd |
| 95 | CE | 105 | Internship | Soniya Singh | C++ |
| 96 | CE | 105 | Internship | Sooraj garg | Auto cad |
| 97 | CE | 105 | Internship | Sourabh kumawat | Auto cadd |
| 98 | CE | 105 | Internship | Takshraj Singh Rajawat | AutoCAD |
| 99 | CE | 105 | Internship | Udit verma | Domestic data entry operator |

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|-----|----|-----|------------|---------------------------|--|
| 100 | CE | 105 | Internship | Utkarsh Bari | Domestic data entry operator |
| 101 | CE | 105 | Internship | vikas dhaka | auto cad |
| 102 | CE | 105 | Internship | Vinay Sharma | AutoCAD |
| 103 | CE | 105 | Internship | Virendra Khichar | AutoCadd |
| 104 | CE | 105 | Internship | Yash Goyal | Auto CaD |
| 105 | CE | 105 | Internship | Yash Meerwal | AutoCAD video training |
| 106 | CE | 105 | Internship | Yashika Singh Bhati | Autocad |
| 107 | CE | 105 | Internship | Yashraj Verma | Autocad |
| 108 | CE | 105 | Internship | Yashwant Rawat | Autocad |
| 109 | CE | 105 | Internship | Yatendra singh meena | Domestic Data Entry Operator — English |
| 110 | CE | 105 | Internship | Zulafqar Hussain | Auto Cadd |
| 111 | CE | 105 | Internship | Aarif Mohammad | SketchUp pro and CREO |
| 112 | CE | 105 | Internship | Aarti Chandrawat | 3Ds Max, Staad Pro |
| 113 | CE | 105 | Internship | Aaryan Khandelwal | Sketchup pro |
| 114 | CE | 105 | Internship | Abdul Rauf | SketchUp pro and CREO |
| 115 | CE | 105 | Internship | Abhimanyu Singh Shekhawat | Autocad |
| 116 | CE | 105 | Internship | Abhishek | Sketchup pro,creo |
| 117 | CE | 105 | Internship | Abhishek Gupta | Fundamental of architecture in revit |
| 118 | CE | 105 | Internship | Adarsh Kumar | Auto Cadd |
| 119 | CE | 105 | Internship | Aditya Pareek | Sketchup pro,creo |
| 120 | CE | 105 | Internship | Agam | Sketchup Pro |
| 121 | CE | 105 | Internship | Ajay Kumar Meena | Sketchup Pro |
| 122 | CE | 105 | Internship | Akshat Puri | Sketchup Pro |
| 123 | CE | 105 | Internship | Aniket Sharma | AutoCadd |
| 124 | CE | 105 | Internship | Anjna Kumari | 3Ds MAX, StaadPro |
| 125 | CE | 105 | Internship | Ankit | Sketchup Pro |
| 126 | CE | 105 | Internship | Ankit Kumar Chaubey | Building materials and Composite, Staad Pro, Revid |

Department of Electronics & Communication Engineering

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|-----|----|-----|------------|-----------------------------|--|
| 127 | CE | 105 | Internship | Ankit Vijay | AutoCad - Civil |
| 128 | CE | 105 | Internship | Arvind Nagar | Auto Cadd in 2D |
| 129 | CE | 105 | Internship | Ashish Meena | SketchUp pro and CREO |
| 130 | CE | 105 | Internship | Ashish Meena | SketchUp pro and CREO |
| 131 | CE | 105 | Internship | Avinash Meena | Sketchup pro |
| 132 | CE | 105 | Internship | Ayushi Singh | Auto cadd |
| 133 | CE | 105 | Internship | Chandraveer Singh Shekhawat | Auto Cad |
| 134 | CE | 105 | Internship | Chirag Parashar | Revit, 3Ds MAX |
| 135 | CE | 105 | Internship | Deepak Jakhar | SketchUp pro and CREO |
| 136 | CE | 105 | Internship | Deepak Kumar Meena | Revit, 3Ds MAX |
| 137 | CE | 105 | Internship | Deepak Meena | SketchUp pro, CREO |
| 138 | CE | 105 | Internship | Deepanshu | Sketchup pro |
| 139 | CE | 105 | Internship | Deependra Kalwar | Auto cadd |
| 140 | CE | 105 | Internship | Devanshu | Sketchup Pro |
| 141 | CE | 105 | Internship | Divya Patidar | Autocad |
| 142 | CE | 105 | Internship | Dushyant Kamal | Revit |
| 143 | CE | 105 | Internship | Garima Mamoria | Auto Cadd |
| 144 | CE | 105 | Internship | Geetansh Chhabra | Project Planning and Control (NPTEL), Revit (Internshala), STAAD PRO (Internshala) |
| 145 | CE | 105 | Internship | Gunjan Gupta | Revit , Staad pro |
| 146 | CE | 105 | Internship | Hardik Malhotra | DESIGNING OF MULTISTOREY RCC COMMERCIAL BILDING |
| 147 | CE | 105 | Internship | Harsh Mittal | Auto cadd |
| 148 | CE | 105 | Internship | Harsh Omprakash Meena | SketchUp pro and CREO |
| 149 | CE | 105 | Internship | Hrishabh Mishra | Revit , Auto Cadd 3D, Graphic Designing |
| 150 | CE | 105 | Internship | Jaipal Prajapat | AutoCad & Water, Society & Sustainability & Developing soft skills & Personality development |

Department of Electronics & Communication Engineering

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|-----|----|-----|------------|----------------------|---|
| 151 | CE | 105 | Internship | Jyoti Panchal | Autocad and 3Ds MAX |
| 152 | CE | 105 | Internship | Kapil | Revit,3Ds Max |
| 153 | CE | 105 | Internship | Karan Kumar | Auto cadd |
| 154 | CE | 105 | Internship | Kaushal Bansal | Auto cadd |
| 155 | CE | 105 | Internship | Krishan Kant Mittal | Revit, 3Ds Max |
| 156 | CE | 105 | Internship | Krishna Muwal | Revit |
| 157 | CE | 105 | Internship | Kuldeep Sahani | SketchUp pro and CREO |
| 158 | CE | 105 | Internship | Lagnesh Kanwat | CREO course, HVAC engineer |
| 159 | CE | 105 | Internship | Lakshya Poonia | AutoCAD Civil 2d , Sketchup Tutorial |
| 160 | CE | 105 | Internship | Lokesh Kumar Gurjar | Revit , staad pro |
| 161 | CE | 105 | Internship | Lokesh Kumar Mahawar | Revit, Staad pro |
| 162 | CE | 105 | Internship | Madhav Murari Sharma | Revit,3Ds MAX |
| 163 | CE | 105 | Internship | Mahesh Prajapati | Sketchup Pro |
| 164 | CE | 105 | Internship | Mamta | Staad pro |
| 165 | CE | 105 | Internship | Manan Biwal | Auto cadd, Revit |
| 166 | CE | 105 | Internship | Manish Kumar | Revit and 3dS max |
| 167 | CE | 105 | Internship | Mayank Tamboli | Auto Cadd, Revit |
| 168 | CE | 105 | Internship | Mohd Anish Mirza | Autocad, Revit |
| 169 | CE | 105 | Internship | Mohit Sharma | REVIT , 3DS Max |
| 170 | CE | 105 | Internship | Mohit Sharma | AUTO CADD, NPTEL(Project Planning and Control) |
| 171 | CE | 105 | Internship | Mormukut Chauhan | Auto Cadd & Project planning and control |
| 172 | CE | 105 | Internship | Nav Sharma | (1) Construction Project Management (2) Renewable Energy and Green Building Entrepreneurship |
| 173 | CE | 105 | Internship | Neel Kumar Bairwa | Auto Cadd , Revit |

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| | | | | | |
|-----|----|-----|------------|-------------------------|--|
| 174 | CE | 105 | Internship | Niranjn Kumar Meena | Fluid mechanics, strength of materials |
| 175 | CE | 105 | Internship | Nishant Mali | 1. 3d Printing 2. Revit |
| 176 | CE | 105 | Internship | Nitesh Kumar Saini | Auto cadd |
| 177 | CE | 105 | Internship | Pawan | SketchUp pro and Auto Cad |
| 178 | CE | 105 | Internship | Pranjal Pareek | 3DS Max,Auto Cad |
| 179 | CE | 105 | Internship | Prasun Kumar | Auto cadd |
| 180 | CE | 105 | Internship | Praveen Kumar Yadav | AutoCAD, 3DS MAX |
| 181 | CE | 105 | Internship | Priyansh Saini | Building materials and composites |
| 182 | CE | 105 | Internship | Priyanshu Sharma | AutoCAD |
| 183 | CE | 105 | Internship | Rahul Choudhary | 3dsmax |
| 184 | CE | 105 | Internship | Rahul Kumawat | Building materials and composites |
| 185 | CE | 105 | Internship | Rahul Lodha | AutoCAD and 3DsMAX |
| 186 | CE | 105 | Internship | Rahul Raj | Auto Cadd |
| 187 | CE | 105 | Internship | Rahul Sain | Autocad, Revit |
| 188 | CE | 105 | Internship | Rahul Sharma | Autocad, Revit |
| 189 | CE | 105 | Internship | Rahul Sharma | BMC |
| 190 | CE | 105 | Internship | Rakesh Suthar | BMC |
| 191 | CE | 105 | Internship | Ramesh Yadav | BMC |
| 192 | CE | 105 | Internship | Sachin Chauhan | AutoCAD |
| 193 | CE | 105 | Internship | Sajad Hussain | Auto CAD |
| 194 | CE | 105 | Internship | Samarveer Singh Rajawat | AUTO CADD,NPTEL |
| 195 | CE | 105 | Internship | Sanjana Gurjar | Auto cadd, 3 ds max |
| 196 | CE | 105 | Internship | Saransh Sharma | Autocad & staad pro |
| 197 | CE | 105 | Internship | Satyam Kumar Jha | Auto Cadd, |
| 198 | CE | 105 | Internship | Saurabh Jorwal | 3ds max & stadpro |
| 199 | CE | 105 | Internship | Shahwaz | AutoCAD |
| 200 | CE | 105 | Internship | Shivraj Singh | 3ds max & stadpro |
| 201 | CE | 105 | Internship | Shruti Saini | Autocad ,Revit |

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| | | | | | |
|-----|----|-----|------------|-------------------------|--|
| 202 | CE | 105 | Internship | Shubham | REVIT AND AUTOCAD |
| 203 | CE | 105 | Internship | Shubham Sharma | AutoCAD |
| 204 | CE | 105 | Internship | Sneha Sanwal | Revit, staad pro |
| 205 | CE | 105 | Internship | Somendar Singh | AutoCAD Civil 2d , Sketchup Tutorial |
| 206 | CE | 105 | Internship | Someshwar Singh | AutoCAD |
| 207 | CE | 105 | Internship | Sonu Kuldeep | 1. Geotechnical Engineering Laboratory 2. Strength of Materials |
| 208 | CE | 105 | Internship | Sumit Salotri | AutoCAD Civil 2d , Sketchup Tutorial |
| 209 | CE | 105 | Internship | Tanishq Bekadia | Revit, Staad pro |
| 210 | CE | 105 | Internship | Tarun Yadav | Autocad |
| 211 | CE | 105 | Internship | Tushar Katariya | Revit , staad pro |
| 212 | CE | 105 | Internship | Tushar Mehar | Revit , Staad pro |
| 213 | CE | 105 | Internship | Tushar Sharma | Revit, 3DsMAX |
| 214 | CE | 105 | Internship | Ujjwal Sharma | Revit architecture, building materials and composites |
| 215 | CE | 105 | Internship | Vaibhav Swami | Revit, Staad Pro. |
| 216 | CE | 105 | Internship | Vedika Saini | Revit , 3Ds MAX |
| 217 | CE | 105 | Internship | Vidhan Sharma | Auto cad |
| 218 | CE | 105 | Internship | Vishal Rajpurohit | 3ds max |
| 219 | CE | 105 | Internship | Yash Tank | Revit , 3DSmax |
| 220 | CE | 105 | Internship | Yashi Bishnoi | Auto Cadd, Revit |
| 221 | CE | 105 | Internship | Yuvraj Singh Rajpurohit | 3ds Max |
| 222 | CE | 105 | Internship | Aditya Dadhich | Autocad |
| 223 | CE | 105 | Internship | Ayush Soni | Strength of material |
| 224 | CE | 105 | Internship | Himanshu Jonwal | Autocad |
| 225 | CE | 105 | Internship | Hon Vikrant Appasaheb | Autocad |
| 226 | CE | 105 | Internship | Ms.Jyoti Kumawat | Auto Cadd, Revit |
| 227 | CE | 105 | Internship | Kishan Bhawat | Auto cadd |

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| 228 | CE | 105 | Internship | Krishna Sharma Vairagi | Auto Cadd |
| 229 | CE | 105 | Internship | Lobzang Paldon | AutoCAD |
| 230 | CE | 105 | Internship | Michael Jatav | Auto cad and staad pro |
| 231 | CE | 105 | Internship | Ms. Muskan Mina | Autocad, 3Ds MAX |
| 232 | CE | 105 | Internship | Rahul Choudhary | AutoCAD |
| 233 | CE | 105 | Internship | Sachin Kumar | Autocad |
| 234 | CE | 105 | Internship | Tanu Deshwar | 3DS Max |
| 235 | CE | 105 | Internship | Yuvraj Singh | 3DS Max |
| 236 | CE | 105 | Internship | Aakash Sharma | Staadpro, 3ds Max |
| 237 | CE | 105 | Internship | Abhinav Karela | AutoCAD and Revit |
| 238 | CE | 105 | Internship | Abhishek Gautam | Staad pro , 3Ds Max |
| 239 | CE | 105 | Internship | Abhishek Pareek | Revit,Infraworks |
| 240 | CE | 105 | Internship | Adil Tak | Technical |
| 241 | CE | 105 | Internship | Aditya Khandelwal | Revit, Stand Pro |
| 242 | CE | 105 | Internship | Ajay Dev Gurjar | AutoCAD |
| 243 | CE | 105 | Internship | Ajay Singh Pavaiya | Revit, staad pro |
| 244 | CE | 105 | Internship | Akash Kushwah | AutoCAD |
| 245 | CE | 105 | Internship | Akhilesh Ojha | Revit,infraworks |
| 246 | CE | 105 | Internship | Akshay Purohit | StaadPro, Primavera |
| 247 | CE | 105 | Internship | Aman Sharma | Stadpro |
| 248 | CE | 105 | Internship | Anjali Mahawar | Revit, staad pro |
| 249 | CE | 105 | Internship | Anmol Pareek | AutoCAD |
| 250 | CE | 105 | Internship | Anuj Kumar Goyal | Water supply project |
| 251 | CE | 105 | Internship | Anuj Kumar Vijay | Revit & staad pro |
| 252 | CE | 105 | Internship | Anupam Koolwal | Revit & staad pro |
| 253 | CE | 105 | Internship | Ashish Rajora | Auto cadd |
| 254 | CE | 105 | Internship | Bharat Dudi | Revit,staad pro |
| 255 | CE | 105 | Internship | Bharat Singh | AI for everyone |
| 256 | CE | 105 | Internship | Bhavy Kumar Jain | Trainee at ongoing project at sitapura site |
| 257 | CE | 105 | Internship | Bhupendra Singh Rajpurohit | Revit,Primavera |
| 258 | CE | 105 | Internship | Chandradeep Singh Shekhawat | Stadd Pro , Primavera |
| 259 | CE | 105 | Internship | Deepak Kumar Neniwal | Revit and staadpro |

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|-----|----|-----|------------|-------------------------|--|
| 260 | CE | 105 | Internship | Devesh Sharma | REVIT , staad pro |
| 261 | CE | 105 | Internship | Dhanraj Dhakar | Revit,staad pro. |
| 262 | CE | 105 | Internship | Dhanujay Nain | 3dsmax Etabs |
| 263 | CE | 105 | Internship | Dheeraj Kumawat | auto cadd |
| 264 | CE | 105 | Internship | Dhruv Vishwakarma | Revit, Staad Pro |
| 265 | CE | 105 | Internship | Divyansh Pareek | Autocadd |
| 266 | CE | 105 | Internship | Gaurav Bohara | 3Ds Max, Revit |
| 267 | CE | 105 | Internship | Gaurav Nagar | Application in engineering machanics, AI for all |
| 268 | CE | 105 | Internship | Govind Prajapati | Revit/ staadpro |
| 269 | CE | 105 | Internship | Harish Saini | Revit,staad pro |
| 270 | CE | 105 | Internship | Harsh Jarwal | Revit,Staad Pro |
| 271 | CE | 105 | Internship | Harsh Sharma | Staad pro, 3ds max |
| 272 | CE | 105 | Internship | Harsh Vardhan | Revit, Staad pro |
| 273 | CE | 105 | Internship | Harsh Vardhan Shekhawat | 3ds Max |
| 274 | CE | 105 | Internship | Harsh Yadav | Revit, Staad pro |
| 275 | CE | 105 | Internship | Harshit Gupta | Live training ON-Site |
| 276 | CE | 105 | Internship | Himanshu Sain | Mechanics |
| 277 | CE | 105 | Internship | Hitesh Kumar | 3DSMax , Staad Pro |
| 278 | CE | 105 | Internship | Iftiqar Ahmad | contruction and upgradation of roads |
| 279 | CE | 105 | Internship | Jaspinder Kaur | Stand pro , ETabs |
| 280 | CE | 105 | Internship | Kamal Yogi | Application in engineering mechanics |
| 281 | CE | 105 | Internship | Kanad Meena | Road works and other civil work |
| 282 | CE | 105 | Internship | Kartik Kamra | revit , staad pro |
| 283 | CE | 105 | Internship | Kuldeep Suthar | ETABS & STADD PRO |
| 284 | CE | 105 | Internship | Kushal Rathore | REVIT AND STAAD PRO |
| 285 | CE | 105 | Internship | Majid Salam Rather | Construction and upgradation of Road |
| 286 | CE | 105 | Internship | Manoj Saini | Auto cadd , Revit |
| 287 | CE | 105 | Internship | Mayank Arya | Stadd pro etab |
| 288 | CE | 105 | Internship | Mayank Barada | Revit and stadd pro |
| 289 | CE | 105 | Internship | Mayank Dadhich | Auto Cadd, Revit , staad pro |

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|-----|----|-----|------------|-------------------------|--|
| 290 | CE | 105 | Internship | Mehul Airan | Revit ,staad pro |
| 291 | CE | 105 | Internship | Mo Roman | Auto Cadd , Revit |
| 292 | CE | 105 | Internship | Mohammed Nofil | Intern in research team . |
| 293 | CE | 105 | Internship | Mohammed Rameez Solanki | Intern in research work |
| 294 | CE | 105 | Internship | Mohit Kumar | Staad Pro, Primavera |
| 295 | CE | 105 | Internship | Mukul Tanwar | Auto Cad |
| 296 | CE | 105 | Internship | Narendra Kumawat | E-tabs , staad pro |
| 297 | CE | 105 | Internship | Neelam Meena | 1. Autocad 2. Revit |
| 298 | CE | 105 | Internship | Neha Mehar | Auto cadd, revit |
| 299 | CE | 105 | Internship | Nikhil Jain | Auto cad , construction management |
| 300 | CE | 105 | Internship | Nikhil Saini | REVIT STAAD PRO |
| 301 | CE | 105 | Internship | Nilesh Verma | Revit , 3ds Max |
| 302 | CE | 105 | Internship | Nishant Varma | Auto cad staad pro |
| 303 | CE | 105 | Internship | Pankaj Udai | E-tabs ,staad pro. |
| 304 | CE | 105 | Internship | Paras Sharma | Staad Pro, Primavera |
| 305 | CE | 105 | Internship | Parth Jain | Auto cad |
| 306 | CE | 105 | Internship | Piyush Chaturvedi | Staad pro , 3ds max |
| 307 | CE | 105 | Internship | Prakanshu Bansal | staad pro, 3d max |
| 308 | CE | 105 | Internship | Prashant Baiplawat | Primavera, 3ds max |
| 309 | CE | 105 | Internship | Pravesh Kumar | Revit , Stadd Pro |
| 310 | CE | 105 | Internship | Prince Jaimini | LinkedIn |
| 311 | CE | 105 | Internship | Priya Meena | Construction management, GIS, foundation Engineering |
| 312 | CE | 105 | Internship | Priyanka Loyal | GIS, Foundation engineering |
| 313 | CE | 105 | Internship | Priyesh Unnithan | AutoCAD Revit Architecture |
| 314 | CE | 105 | Internship | Purwanshu | Staad pro |
| 315 | CE | 105 | Internship | Raghav Joshi | CONSTRUCTION MANAGEMENT,AUTOCAD CIVIL 3D |
| 316 | CE | 105 | Internship | Rahul Jangid | AutoCAD |
| 317 | CE | 105 | Internship | Rahul Yadav | Revit |
| 318 | CE | 105 | Internship | Rakesh Moond | Stand pro,Etabs |
| 319 | CE | 105 | Internship | Ravi Meena | Auto cadd , Revit |
| 320 | CE | 105 | Internship | Ravinder Singh | Revit |
| 321 | CE | 105 | Internship | Ritik Jain | Data Analyst |

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|-----|----|-----|------------|--------------------------|--|
| 322 | CE | 105 | Internship | Ritik Kumar Prajapati | Fundamental Of Project Management, AI, Digital Marketing |
| 323 | CE | 105 | Internship | Rohit Kumar | Arc GIS pro essential, Solar energy Basic |
| 324 | CE | 105 | Internship | Sanchay Agrawal | Autodesk, Infra-works, Real World GIS, Construction Management, LEED Credentialing, Sustainability & Green Building, Construction Estimation, Real State Analysis. |
| 325 | CE | 105 | Internship | Sanjana Biraniya | Stadpro |
| 326 | CE | 105 | Internship | Sanjay Sharma | AutoCAD and AutoCAD 3D |
| 327 | CE | 105 | Internship | Saurabh Umarwal | Auto Cadd, mechanics of solid |
| 328 | CE | 105 | Internship | Shivam Rathore | linkedIn, AutoCAD |
| 329 | CE | 105 | Internship | Shivani Shekhar | Revit and construction management |
| 330 | CE | 105 | Internship | Shivkant Sharma | Revit, 3D Max |
| 331 | CE | 105 | Internship | Shubham Rawat | Auto cadd, Revit |
| 332 | CE | 105 | Internship | Sourabh Kumar Regar | Revit, Construction management |
| 333 | CE | 105 | Internship | Sudarshan Dev Vaishnav | Auto Cadd , Revit |
| 334 | CE | 105 | Internship | Sumit Mina | Auto Cadd, Revit |
| 335 | CE | 105 | Internship | Sunil Kumar Mahala | Etc |
| 336 | CE | 105 | Internship | Supreeta Kumari | Revit , LEED |
| 337 | CE | 105 | Internship | Surendra Solanki | Stand pro, etabs |
| 338 | CE | 105 | Internship | Tarun Dev Singh | Staad pro |
| 339 | CE | 105 | Internship | Tarun Meena | Autocad civil 3d |
| 340 | CE | 105 | Internship | Teekam Chand Sahu | Auto cadd |
| 341 | CE | 105 | Internship | Varun Prakash Mittal | Site work , auto cad |
| 342 | CE | 105 | Internship | Vibhanshu Jain | SITE WORK |
| 343 | CE | 105 | Internship | Vikas Kumar Mahawar | 3d max , construction management |
| 344 | CE | 105 | Internship | Vinayak Sharma | Municipal Solid Waste Management in Developing Countries ,Introduction to Faecal Sludge Management |

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|-----|----|-----|------------|----------------------|---|
| 345 | CE | 105 | Internship | Viraj Chouhan | Water resources management and policy ,, introduction to indoor air quality |
| 346 | CE | 105 | Internship | Vivek Kumar Meena | Revit , 3ds max |
| 347 | CE | 105 | Internship | Yash Kumar Sharma | Auto cadd, Revit |
| 348 | CE | 105 | Internship | Yogesh Meena | Application in EM |
| 349 | CE | 105 | Internship | Bhavya Jain | Auto Cadd, Revit |
| 350 | CE | 105 | Internship | Mudit Sharma | Solid waste management |
| 351 | CE | 105 | Internship | Ravi Sharma | Staad pro, 3Ds max |
| 352 | CE | 105 | Internship | Akash Kr. Prajapat | Remote Sensing and GIS , Geotechnical Engineering I |
| 353 | CE | 105 | Internship | Danish Siddiqui | Site supervision |
| 354 | CE | 105 | Internship | Mukul | Auto cadd , civil 3d , Auto desk , c++ |
| 355 | CE | 105 | Internship | Swarn Raj Singh | Geotechnical engineering and foundation engineering |
| 356 | ME | 113 | Internship | Aashish Kumar | Udemy |
| 357 | ME | 113 | Internship | Aditya Hada | Google digital garage |
| 358 | ME | 113 | Internship | Aditya Sagar | Cademate |
| 359 | ME | 113 | Internship | Akash Singh Bhadoria | Cademate |
| 360 | ME | 113 | Internship | Akshat Khandelwal | |
| 361 | ME | 113 | Internship | Akshay Chaudhary | Cademate |
| 362 | ME | 113 | Internship | Devanshu Sharma | Cademate |
| 363 | ME | 113 | Internship | Dhruv Boola | NPTEL |
| 364 | ME | 113 | Internship | Gajendra Dayma | Udemy |
| 365 | ME | 113 | Internship | Gautam Vijay | Udemy |
| 366 | ME | 113 | Internship | GORAV | |
| 367 | ME | 113 | Internship | Gourang Sharma | Cademate |
| 368 | ME | 113 | Internship | Harsh Bansal | Cademate |
| 369 | ME | 113 | Internship | Harsh Kumar Yadav | Udemy |
| 370 | ME | 113 | Internship | Harshita Chawrani | Udemy |

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|-----|----|-----|------------|----------------------|-----------------------|
| 371 | ME | 113 | Internship | Hemant Kumar Jangid | |
| 372 | ME | 113 | Internship | ILHAM JAMIL | Google digital garage |
| 373 | ME | 113 | Internship | Jaivansh Sharma | Cademate |
| 374 | ME | 113 | Internship | Jaivardhan Nagar | |
| 375 | ME | 113 | Internship | JAYESH Jhadodiya | Internshala training |
| 376 | ME | 113 | Internship | Jitendra Singh Meena | Internshala training |
| 377 | ME | 113 | Internship | Jitendra Vaishnav | Cademate |
| 378 | ME | 113 | Internship | JYOTIPRAKAS HSHARMA | Udemy |
| 379 | ME | 113 | Internship | Karan Yadav | Cademate |
| 380 | ME | 113 | Internship | Khwaish | Internshala training |
| 381 | ME | 113 | Internship | Krishankant Sharma | Cademate |
| 382 | ME | 113 | Internship | Krishna Pal | Cademate |
| 383 | ME | 113 | Internship | Kshitiz Mathur | Cademate |
| 384 | ME | 113 | Internship | Lakshya R Saadh | Cademate |
| 385 | ME | 113 | Internship | Laxman Sharma | Great learning |
| 386 | ME | 113 | Internship | Manish Solanki | Cademate |
| 387 | ME | 113 | Internship | Manoj Mangal | Sololearn |
| 388 | ME | 113 | Internship | Mohammad Julkhar | Cademate |
| 389 | ME | 113 | Internship | Muskan Soni | Internshala training |
| 390 | ME | 113 | Internship | Naman Agrawal | Internshala training |
| 391 | ME | 113 | Internship | Naman Gupta | Cademate |
| 392 | ME | 113 | Internship | Naveen Kumar Burdak | Udemy |
| 393 | ME | 113 | Internship | Nishant Dagar | Internshala training |
| 394 | ME | 113 | Internship | Nishkarsh Gujral | Great learning |
| 395 | ME | 113 | Internship | Parth Dadhich | Great learning |
| 396 | ME | 113 | Internship | Pradeep Mahawar | Great learning |
| 397 | ME | 113 | Internship | Priyansh Gupta | |
| 398 | ME | 113 | Internship | Rahul Meena | Cademate |

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|-----|----|-----|------------|----------------------|----------------------|
| 399 | ME | 113 | Internship | Ritik Hada | Cademate |
| 400 | ME | 113 | Internship | Rohit Tiwari | Think next |
| 401 | ME | 113 | Internship | Ronak Maheswari | |
| 402 | ME | 113 | Internship | SAMBHAV JAIN | Internshala training |
| 403 | ME | 113 | Internship | Shaksham Gouttam | Cademate |
| 404 | ME | 113 | Internship | Shamsuddin Siddiquee | Cademate |
| 405 | ME | 113 | Internship | SHANTANU SINGH YADAV | Cademate |
| 406 | ME | 113 | Internship | Shivam Sharma | Udemy |
| 407 | ME | 113 | Internship | Shivangi Acharya | Udemy |
| 408 | ME | 113 | Internship | Shubhanshu Kumawat | Think next |
| 409 | ME | 113 | Internship | Sushil Thapa | Cademate |
| 410 | ME | 113 | Internship | Vaibhav Soni | Coursera |
| 411 | ME | 113 | Internship | Vipin Pareek | Cademate |
| 412 | ME | 113 | Internship | Yash Kumawat | Cademate |
| 413 | ME | 113 | Internship | YUGDEEP SINGH HADA | Coursera |
| 414 | ME | 113 | Internship | Apurv Jain | Cademate |
| 415 | ME | 113 | Internship | Raman Yadav | Great learning |
| 416 | ME | 113 | Internship | Saurabh Kumar | Udemy |
| 417 | ME | 113 | Internship | Abhay Kumar Jeengar | |
| 418 | ME | 113 | Internship | Abhijeet Ranjan | |
| 419 | ME | 113 | Internship | Aditya Saini | |
| 420 | ME | 113 | Internship | Aditya Sharma | |
| 421 | ME | 113 | Internship | Akash Kumar Verma | |
| 422 | ME | 113 | Internship | Aman Dadhich | |
| 423 | ME | 113 | Internship | Aman Kumawat | |
| 424 | ME | 113 | Internship | Amit Purohit | |
| 425 | ME | 113 | Internship | Amit Thakur | |
| 426 | ME | 113 | Internship | Ankit Raj | |
| 427 | ME | 113 | Internship | Ankur Gupta | |

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|-----|----|-----|------------|-----------------------|--|
| 428 | ME | 113 | Internship | Anubhav Choudhary | |
| 429 | ME | 113 | Internship | Atharv Sharma | |
| 430 | ME | 113 | Internship | Ayush Soni | |
| 431 | ME | 113 | Internship | Chirag Meena | |
| 432 | ME | 113 | Internship | Dhruv Goyal | |
| 433 | ME | 113 | Internship | Divyansh Agarwal | |
| 434 | ME | 113 | Internship | Gajendra Yadav | |
| 435 | ME | 113 | Internship | Harsh Jain | |
| 436 | ME | 113 | Internship | Himanshu Sharma | |
| 437 | ME | 113 | Internship | Hitesh Panchal | |
| 438 | ME | 113 | Internship | Ishan Adwani | |
| 439 | ME | 113 | Internship | Jitendra Saini | |
| 440 | ME | 113 | Internship | K K Siddharth | |
| 441 | ME | 113 | Internship | Lakhan Mishra | |
| 442 | ME | 113 | Internship | Lakshya Sharma | |
| 443 | ME | 113 | Internship | Mahendra Yadav | |
| 444 | ME | 113 | Internship | Mayank Kabra | |
| 445 | ME | 113 | Internship | Mayank Sharma | |
| 446 | ME | 113 | Internship | Mohd Amir Khokhar | |
| 447 | ME | 113 | Internship | Mridul Saini | |
| 448 | ME | 113 | Internship | Naleen Kumar Somani | |
| 449 | ME | 113 | Internship | Naman Goyal | |
| 450 | ME | 113 | Internship | Nand Kishore Yadav | |
| 451 | ME | 113 | Internship | Neeraj Gautam | |
| 452 | ME | 113 | Internship | Nishant Kumawat | |
| 453 | ME | 113 | Internship | Nitesh Guria | |
| 454 | ME | 113 | Internship | Parmendra Singh Jodha | |
| 455 | ME | 113 | Internship | Parth Kaushik | |
| 456 | ME | 113 | Internship | Pawan Kumar Sharma | |

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|-----|----|-----|------------|------------------------|--|
| 457 | ME | 113 | Internship | Pawandeep Singh Bagga | |
| 458 | ME | 113 | Internship | Pravesh Datwani | |
| 459 | ME | 113 | Internship | Prince Raj | |
| 460 | ME | 113 | Internship | Pulkit | |
| 461 | ME | 113 | Internship | Rahul Dakuliya | |
| 462 | ME | 113 | Internship | Rahul Jangid | |
| 463 | ME | 113 | Internship | Rahul Kumar Kumawat | |
| 464 | ME | 113 | Internship | Rijul Katewa | |
| 465 | ME | 113 | Internship | Rishikesh Sahani | |
| 466 | ME | 113 | Internship | Rohit Bhatt | |
| 467 | ME | 113 | Internship | Rohit Jangid | |
| 468 | ME | 113 | Internship | Ronak Soni | |
| 469 | ME | 113 | Internship | Sachin Singh Senger | |
| 470 | ME | 113 | Internship | Sahil Khan Kayamkhani | |
| 471 | ME | 113 | Internship | Sanjay Meena | |
| 472 | ME | 113 | Internship | Satwik Sharma | |
| 473 | ME | 113 | Internship | Shivanshu Puri Goswami | |
| 474 | ME | 113 | Internship | Shubham Tiwari | |
| 475 | ME | 113 | Internship | Snehil Kumar | |
| 476 | ME | 113 | Internship | Somendra Sharma | |
| 477 | ME | 113 | Internship | Sunil Choudhary | |
| 478 | ME | 113 | Internship | Utkarsh Natu | |
| 479 | ME | 113 | Internship | Vedank Singhal | |
| 480 | ME | 113 | Internship | Vikas Prajapat | |
| 481 | ME | 113 | Internship | Yash Mahawar | |
| 482 | ME | 113 | Internship | Aman Sharma | |
| 483 | ME | 113 | Internship | Harshvardhan Singh | |
| 484 | ME | 113 | Internship | Kunal Kumar | |
| 485 | ME | 113 | Internship | Mahesh Jonwal | |
| 486 | ME | 113 | Internship | Nakul Dandotia | |
| 487 | ME | 113 | Internship | Pratham Srivastava | |



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|-----|----|-----|------------|-----------------------|---------------------------------------|
| 488 | ME | 113 | Internship | Vishnu Sharma | |
| 489 | ME | 113 | Internship | Yaman Mathur | |
| 490 | ME | 113 | Internship | Yash Mishra | |
| 491 | ME | 113 | Internship | AAKASH GARG | Automobile and IC Engine course |
| 492 | ME | 113 | Internship | AARYANSH PANDEY | machine learning with python |
| 493 | ME | 113 | Internship | AASIM ALI | SOLIDWORKS |
| 494 | ME | 113 | Internship | ABHISHEK SINGH HADA | Intelligent machining |
| 495 | ME | 113 | Internship | ABHISHEK JADON | machine learning and solid works |
| 496 | ME | 113 | Internship | ABHISHEK KUMAR | Wind Energy |
| 497 | ME | 113 | Internship | ABHISHEK SHARMA | Maruti Suzuki workshop |
| 498 | ME | 113 | Internship | ABHISHEK SHARMA | Cybersecurity in Manufacturing |
| 499 | ME | 113 | Internship | AJAY MEERWAL | Wind energy & Python |
| 500 | ME | 113 | Internship | AKASH SINGHAL | Automobile and IC Engine course |
| 501 | ME | 113 | Internship | AKSHAT CHATURVEDI | Wind energy & python |
| 502 | ME | 113 | Internship | AKSHAT JAIN | Solidworks |
| 503 | ME | 113 | Internship | AKSHAT MANGAL | The Fundamentals of Digital Marketing |
| 504 | ME | 113 | Internship | AMAN KHAN | Wind Energy |
| 505 | ME | 113 | Internship | AMBAR SHUKLA | Internship |
| 506 | ME | 113 | Internship | AMIT MAHUR | wind energy |
| 507 | ME | 113 | Internship | ANIKET MAHESHWARI | HTML, CSS |
| 508 | ME | 113 | Internship | ANKUR SHARMA | Online workshop on Electric Vehicle |
| 509 | ME | 113 | Internship | ANURAG BARMAN | Python Programming |
| 510 | ME | 113 | Internship | ARUN RAJ SINGH NARUKA | fusion 360 |

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|-----|----|-----|------------|--------------------------------|---|
| 511 | ME | 113 | Internship | ARVIND SINGH GORA | 3d printing |
| 512 | ME | 113 | Internship | ARYAMAN KHADOLIYA | Intro to Digital Manufacturing with Autodesk Fusion 360 |
| 513 | ME | 113 | Internship | ARYAN BAHETI | Web Development and internship |
| 514 | ME | 113 | Internship | ASHUTOSH BARWAL | Wind Energy |
| 515 | ME | 113 | Internship | ASHUTOSH SINGH JAT | Maruti Suzuki workshop |
| 516 | ME | 113 | Internship | ASHUTOSH YADAV | Internship |
| 517 | ME | 113 | Internship | ASIF ALI | Machine design |
| 518 | ME | 113 | Internship | BADAL SINGH SHEKHAWAT | TEDP on AI and Data Science |
| 519 | ME | 113 | Internship | CHETAN MAHAWAR | AIR BRAKE SYSTEM |
| 520 | ME | 113 | Internship | DEEPAK MOOLANI | HTML5 and CSS3 for beginners |
| 521 | ME | 113 | Internship | DEEPAK SAINI | CAD,CAM and Practical CNC Machining |
| 522 | ME | 113 | Internship | DEEPAK SHARMA | Digital manufacturing and design |
| 523 | ME | 113 | Internship | DEEPENDRA SINGH NATHAWAT | SOLIDWORKS |
| 524 | ME | 113 | Internship | DEVANG VAISHNAV | wind energy and Digital manufacturing |
| 525 | ME | 113 | Internship | DEVESH MANDAN | Air Brake System |
| 526 | ME | 113 | Internship | DINESH JANGID | Rolling Contact Bearing |
| 527 | ME | 113 | Internship | DIVYA BHARTI | solidworks and ansys |
| 528 | ME | 113 | Internship | GOVIND SINGH KUSHWAH | PYTHON |
| 529 | ME | 113 | Internship | HARSH SONI | Web Development and internship |
| 530 | ME | 113 | Internship | HARSHIL CHANDNA | Internship |



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|-----|----|-----|------------|------------------------------|--|
| 531 | ME | 113 | Internship | HIMANSHU CHOUDHARY | Python |
| 532 | ME | 113 | Internship | HIMANSHU KHATWANI | python, digital marketing |
| 533 | ME | 113 | Internship | HITARTH SINGH HADA | digital marketing |
| 534 | ME | 113 | Internship | INDERJEET SINGH YADAV | CAD,CAM and Practical CNC Machining |
| 535 | ME | 113 | Internship | JAI PARKASH | solidworks and Machine Learning |
| 536 | ME | 113 | Internship | JAIVEER SINGH | Machine learning with python |
| 537 | ME | 113 | Internship | KARTIK GUPTA | Bearings |
| 538 | ME | 113 | Internship | KULDEEP SHARMA | Digital marketing |
| 539 | ME | 113 | Internship | KULDEEP SINGH | Maruti Suzuki workshop |
| 540 | ME | 113 | Internship | KULDEEP VAISHNAV | Programming, Data structures and Algorithms using Python |
| 541 | ME | 113 | Internship | KUNAL GURJAR | programming in python |
| 542 | ME | 113 | Internship | LAKSHENDRA SUMAN | electric vehicles course |
| 543 | ME | 113 | Internship | LAKSHAY KHANDELWA L | Java script html course |
| 544 | ME | 113 | Internship | LAKSHYA MISHRA | Javascript |
| 545 | ME | 113 | Internship | LOKESH KUMAWAT | Python |
| 546 | ME | 113 | Internship | MAHENDRA SINGH SOLANKI | Programming C and Python |
| 547 | ME | 113 | Internship | MANISH CHOUDHARY | BOSCH Diesel Fuel Injection Pump |
| 548 | ME | 113 | Internship | MANISH SUTHAR | Training |
| 549 | ME | 113 | Internship | MD FARDEEN BUKHSH | Body Manufacturing Division |



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| 550 | ME | 113 | Internship | MOHIT CHOUDHARY | internship in Management of Servers at India Focus |
| 551 | ME | 113 | Internship | MOHIT VERMA | Digital marketing |
| 552 | ME | 113 | Internship | NAMAN AGRAWAL | python programming |
| 553 | ME | 113 | Internship | NARENDRA SINGH RAO | C++ Basics: Selection and Iteration |
| 554 | ME | 113 | Internship | NAVEEN POPTANI | Python Programming |
| 555 | ME | 113 | Internship | NAVEEN VERMA | Industrial Training at CIPET |
| 556 | ME | 113 | Internship | NAVNEET KUMAR | Industrial Training at CIPET |
| 557 | ME | 113 | Internship | NIKHIL KUMAR SAHU | Programming in Python |
| 558 | ME | 113 | Internship | NIKHIL NUWAL | Python |
| 559 | ME | 113 | Internship | NIKHIL SHARMA | Programming in Python |
| 560 | ME | 113 | Internship | NIMISH BHATNAGAR | internship in Working of a Sewage Treatment plant at Airavat GreenEnergy Private Limited |
| 561 | ME | 113 | Internship | PIYUSH AGARWAL | Google Analytics |
| 562 | ME | 113 | Internship | PIYUSH SHOORA | Digitalization in aeronautics and space |
| 563 | ME | 113 | Internship | PRAGYAN VASHISHTH | Albal Infra Private limited |
| 564 | ME | 113 | Internship | PRAJWAL SHROTRIYA | solidworks and machine learning |
| 565 | ME | 113 | Internship | PRAKHAR JAIN | Solidworks and Machine Learning |
| 566 | ME | 113 | Internship | PRINCE SONI | Solidworks and Ansys |
| 567 | ME | 113 | Internship | PRIYANSH GUPTA | Solidworks |
| 568 | ME | 113 | Internship | PUSHPENDRA KUMAR MANGAL | Java |

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|-----|----|-----|------------|----------------------------|--|
| 569 | ME | 113 | Internship | RAHUL JANGIR | Seamless and welded tublars |
| 570 | ME | 113 | Internship | RAJNISH VERMA | Electric and Hybrid Vehicle Technology |
| 571 | ME | 113 | Internship | RANU SONI | Electric Vehicle and Mobility |
| 572 | ME | 113 | Internship | REYANSH JOSHI | Albal Infra Private Limited |
| 573 | ME | 113 | Internship | RISHABH AGARWAL | AutoCAD |
| 574 | ME | 113 | Internship | RITIK JAIN | Solid Works |
| 575 | ME | 113 | Internship | RIZWAN AHMED | industrial training at foundry |
| 576 | ME | 113 | Internship | RUDRAKSHI KODAP | SOLIDWORKS and Ansys |
| 577 | ME | 113 | Internship | SAHIL ANSARI | Autocad & solidworks |
| 578 | ME | 113 | Internship | SAKSHAM AGRAWAL | PYTHON |
| 579 | ME | 113 | Internship | SANDEEP KUMAR AMETA | auto CAD,solidworks,c/c++ |
| 580 | ME | 113 | Internship | SANSKAR JANGID | Digital Marketing |
| 581 | ME | 113 | Internship | SATVIK SAIN | Micro Moulds |
| 582 | ME | 113 | Internship | SHAILESH KALWAR | Introduction to Data Science in Python |
| 583 | ME | 113 | Internship | SHAURYA PRATAP SINGH GODAR | Digital Marketing |
| 584 | ME | 113 | Internship | SHIVAM KUMAR YADAV | Albal Infra Private Limited |
| 585 | ME | 113 | Internship | SHIVANG SHRIVASTAV A | Cad Desk |
| 586 | ME | 113 | Internship | SHIVANSH SINGH | Capstone: Retrieving, Processing, and Visualizing data with Python |
| 587 | ME | 113 | Internship | SHUBHAM JINDAL | Ansys,Solidworks |

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|-----|----|-----|------------|-------------------------------|--|
| 588 | ME | 113 | Internship | SHYAM SUNDER PIPRONIYAN | Python |
| 589 | ME | 113 | Internship | SOURABH SIKKA | Internship |
| 590 | ME | 113 | Internship | TANAY VIJAY | Programing in C++ |
| 591 | ME | 113 | Internship | TUSHAR JAIN | Natural Gas |
| 592 | ME | 113 | Internship | VIKHYAT SITAWAT | Natural Gas |
| 593 | ME | 113 | Internship | VIPUL TAK | internship in Electronic System Design & Manufacturing at Headway Automations |
| 594 | ME | 113 | Internship | VISHAL KUMAR SHARMA | Six sigma Principles |
| 595 | ME | 113 | Internship | YASH CHOUDHARY | Electric and Hybrid Vehicle Technology |
| 596 | ME | 113 | Internship | YASHVANT SHARMA | Natural gas |
| 597 | ME | 113 | Internship | YUVRAJ SINGH | Natural gas |
| 598 | ME | 113 | Internship | KUNAL SHARMA | Natural Gas |
| 599 | ME | 113 | Internship | RAJORA TUSHAR SURENDRA | Six Sigma |
| 600 | ME | 113 | Internship | RITVIK SHRINGI | AutoCad ,SolidWorks |
| 601 | ME | 113 | Internship | SOMYA JAIN | Natural gas |
| 602 | IT | 112 | Internship | Aashish Kundra | python from scratch |
| 603 | IT | 112 | Internship | Aayush bansal | Web development |
| 604 | IT | 112 | Internship | Abhay Agrawal | Learn to code with python from scratch |
| 605 | IT | 112 | Internship | Abhay Bansal | HTML,CSS and Java script for Web developer |
| 606 | IT | 112 | Internship | Aditya Shah | Learning Python from Scratch |
| 607 | IT | 112 | Internship | Aditya Singh Naruka | Web development |



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|-----|----|-----|------------|------------------|--|
| 608 | IT | 112 | Internship | Akash dagur | Machine learning with python |
| 609 | IT | 112 | Internship | Akhilesh Yadav | Web Development Angular |
| 610 | IT | 112 | Internship | Aksha Mishra | Industrial Training III Sem 2021-22 3IT7 - 30 |
| 611 | IT | 112 | Internship | Akshat Chaurasia | The fundamentals of digital marketing |
| 612 | IT | 112 | Internship | akshat singh | c++ |
| 613 | IT | 112 | Internship | AKSHAT VERMA | The Complete Networking Fundamentals Course. Your CCNA start |
| 614 | IT | 112 | Internship | Aman Goyanka | HTML CSS AND JAVASCRIPT |
| 615 | IT | 112 | Internship | Aman Jain | Web development |
| 616 | IT | 112 | Internship | Aman Jain | Mastering Data Structure and Algorithm using C and C++ |
| 617 | IT | 112 | Internship | Aman kabra | Complete Python Developer in 2022: Zero to Mastery |
| 618 | IT | 112 | Internship | Aman Marothiya | Web Development |
| 619 | IT | 112 | Internship | Anjali Singh | Python bootcamp |
| 620 | IT | 112 | Internship | Ankit Kumar | Complete python developer in 2021:From zero to mastery |
| 621 | IT | 112 | Internship | Ankit yadav | The Fundamental of Digital Marketing |
| 622 | IT | 112 | Internship | annu kumar gupta | web developement |
| 623 | IT | 112 | Internship | Ansh Singh | Python |
| 624 | IT | 112 | Internship | Anuj prajapat | Learn C++ Programming - Beginner to Advance-Deep Dive in C++ |
| 625 | IT | 112 | Internship | Anurag Sharma | Data Structures and Algorithms in Python |
| 626 | IT | 112 | Internship | Arjun jaygadi | Industrial training |
| 627 | IT | 112 | Internship | Arpit Agarwal | Digital Marketing |

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|-----|----|-----|------------|----------------------|--|
| 628 | IT | 112 | Internship | Arpit Raychand Sansi | Programming Foundation with javascript, html, and css |
| 629 | IT | 112 | Internship | Arpit Raychand Sansi | WEB DEVELOPMENT |
| 630 | IT | 112 | Internship | Arpit sharma | Learn To Code With Python From Scratch |
| 631 | IT | 112 | Internship | Arti Solanki | Machine learning in python |
| 632 | IT | 112 | Internship | ARYAMAN SHARMA | Complete Ethical hacking Bootcamp 2022: Zero to Mastery |
| 633 | IT | 112 | Internship | Aryan Khandelwal | Web development |
| 634 | IT | 112 | Internship | Ashish Sharma | Python |
| 635 | IT | 112 | Internship | Ayush Kothari | Python |
| 636 | IT | 112 | Internship | Ayush Kumar | LEARN TO CODE WITH PYTHON FROM SCRATCH |
| 637 | IT | 112 | Internship | AYUSH SHARMA | CYBERSECURITY AND ETHICAL HACKING |
| 638 | IT | 112 | Internship | Ayushi Sharma | Web development |
| 639 | IT | 112 | Internship | Balpreet Kaur | Digital marketing |
| 640 | IT | 112 | Internship | Bharti Somra | C Programming: Advanced Data Types |
| 641 | IT | 112 | Internship | Charu jain | python from scratch |
| 642 | IT | 112 | Internship | Charushi Jain | Machine Learning Using Python |
| 643 | IT | 112 | Internship | Chirag Bhatia | Learn C++ Programming Beginner to Advance - Deep Dive in C++ |
| 644 | IT | 112 | Internship | Chirag Soni | Java from zero to first job |
| 645 | IT | 112 | Internship | Darpan Mendiratta | Crash Course on Python |
| 646 | IT | 112 | Internship | deepanshu moorjani | web development |
| 647 | IT | 112 | Internship | DEVANSHI TIWARI | PYTHON |
| 648 | IT | 112 | Internship | Deven kumawat | Digital marketing |

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|-----|----|-----|------------|---------------------|--|
| 649 | IT | 112 | Internship | Divisha Sharma | Python for Absolute Beginners: Learn Python in a Week! |
| 650 | IT | 112 | Internship | Divyansh garg | Digital marketing |
| 651 | IT | 112 | Internship | Divyanshu Agrawal | Data Analyst |
| 652 | IT | 112 | Internship | Dixit Bansal | Web Development |
| 653 | IT | 112 | Internship | GARVIT | WEB DEVELOPMENT |
| 654 | IT | 112 | Internship | Garvit Choudhary | Python |
| 655 | IT | 112 | Internship | Gaurav Agarwal | JavaScript Course 2021 |
| 656 | IT | 112 | Internship | Gaurav gupta | Python |
| 657 | IT | 112 | Internship | Grahit Goyal | Digital marketing |
| 658 | IT | 112 | Internship | Hardik Maheshwari | Web-Development |
| 659 | IT | 112 | Internship | Harsh Vardhan Singh | 3rd sem. industrial training |
| 660 | IT | 112 | Internship | Harshit Purwar | Python |
| 661 | IT | 112 | Internship | Himani Munjal | Java(Core and Advanced) |
| 662 | IT | 112 | Internship | Himanshu Mishra | MODERN REACT WITH REDUX |
| 663 | IT | 112 | Internship | Hritika Binawara | The Web Developer Bootcamp 2022 |
| 664 | IT | 112 | Internship | Hritika Binawara | WEB DEVELOPMENT |
| 665 | IT | 112 | Internship | Ishan Goyal | Web development |
| 666 | IT | 112 | Internship | Ishita Jain | Programming for everybody(PYTHON), Introduction to HTML5 |
| 667 | IT | 112 | Internship | Ishita Sharma | Python for Everybody and HTML5 |
| 668 | IT | 112 | Internship | Jalaj bohra | Python for everybody (get started with python) |
| 669 | IT | 112 | Internship | Jatin Lakhotia | Basic Python |
| 670 | IT | 112 | Internship | Jayant Mishra | 100 Days of Code:The Complete Python Pro Bootcamp For 2022 |
| 671 | IT | 112 | Internship | kanak saini | industrial training on python |

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|-----|----|-----|------------|---------------------|---|
| 672 | IT | 112 | Internship | kanhaiya lal dhaker | The complete networking fundamental course |
| 673 | IT | 112 | Internship | Kanika Mittal | The Python Mega Course |
| 674 | IT | 112 | Internship | Kanishk Sharma | HTML5 + CSS3 |
| 675 | IT | 112 | Internship | Kartik ashoya | Python programming |
| 676 | IT | 112 | Internship | Keshav Soni | Complete python developer zero to mastery |
| 677 | IT | 112 | Internship | Khushi Garg | Web development |
| 678 | IT | 112 | Internship | Khushi trivedi | Python |
| 679 | IT | 112 | Internship | Khushi verma | Programming for everybody (Getting started with python) |
| 680 | IT | 112 | Internship | Komal bhamu | SEO Training 2022: Complete SEO course+ Wordpress SEO Yoast |
| 681 | IT | 112 | Internship | Konika Nagar | Complete python developer in 2022: from zero to mastery |
| 682 | IT | 112 | Internship | KUMUD JAIN | THE PYTHON MEGA COURSE 2022 |
| 683 | IT | 112 | Internship | Lalit laxkar | Html css and javascript |
| 684 | IT | 112 | Internship | Mananya Gaur | LEARN TO CODE WITH PYTHON FROM SCRATCH |
| 685 | IT | 112 | Internship | Manisha Gehlot | Complete python developer : zero to mastery |
| 686 | IT | 112 | Internship | Mayank sharma | Javascript |
| 687 | IT | 112 | Internship | Megha Sharma | C++ Programming |
| 688 | IT | 112 | Internship | Megha Sharma | Python Bootcamp |
| 689 | IT | 112 | Internship | Meghansh Agarwal | C++ Programming |
| 690 | IT | 112 | Internship | MEGHANSH AGARWAL | Python Programming |
| 691 | IT | 112 | Internship | Mitesh Chouhan | Python Basic |
| 692 | IT | 112 | Internship | Muskan Gola | Beginning C++ Programming- From Beginner to Beyond |

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|-----|----|-----|------------|-----------------------|--|
| 693 | IT | 112 | Internship | Muskan Gola | 100 days of code. The complete python pro bootcamp. |
| 694 | IT | 112 | Internship | Naman Bohara | Fundamental Digital Marketing |
| 695 | IT | 112 | Internship | Naman Somani | Python Basics |
| 696 | IT | 112 | Internship | NAUMIT KUMAR | JAVA PROGRAMMING FOR BEGINNERS |
| 697 | IT | 112 | Internship | Nikhil | Html css ans JavaScript |
| 698 | IT | 112 | Internship | Nikhil Singh | Java Basic |
| 699 | IT | 112 | Internship | Nikita Agarwal | Web development |
| 700 | IT | 112 | Internship | Nishant Gupta | Machine Learning & Deep Learning in Python & R |
| 701 | IT | 112 | Internship | Nishant Singh Kushwah | The Python Mega Course: Build 10 Real World Applications |
| 702 | IT | 112 | Internship | Pankaj sain | The fundamental of digital marketing |
| 703 | IT | 112 | Internship | Piyush Gupta | Python |
| 704 | IT | 112 | Internship | Prabal Jain | WEB DEVELOPMENT BOOTCAMP 2022 |
| 705 | IT | 112 | Internship | Prafful Palod | Digital Marketing |
| 706 | IT | 112 | Internship | Pranav Audichya | Machine Learning and Deep learning in python and R |
| 707 | IT | 112 | Internship | Pranav Audichya | Deep learning in python and R |
| 708 | IT | 112 | Internship | Prasann Parnami | Responsive Web Design |
| 709 | IT | 112 | Internship | Pratham Kumar Singh | The Web Developer Bootcamp 2022 |
| 710 | IT | 112 | Internship | Preksha Parashar | PYTHON |
| 711 | IT | 112 | Internship | Prerana Sharma | Python Pro Bootcamp |
| 712 | IT | 112 | Internship | Priyanshu Das | Beginning C++ Programming - From Beginner to Beyond |
| 713 | IT | 112 | Internship | Priyanshu garg | Python |
| 714 | IT | 112 | Internship | Rachit koolwal | machine learning and deep learning in python |

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|-----|----|-----|------------|-----------------------|--|
| 715 | IT | 112 | Internship | Rachit koolwal | Python |
| 716 | IT | 112 | Internship | Raina gupta | HTML CSS JAVASCRIPT for Web developers |
| 717 | IT | 112 | Internship | Rajat Jain | Web Development |
| 718 | IT | 112 | Internship | Rani Yadav | Python programming |
| 719 | IT | 112 | Internship | Ridhima solet | Gold visor |
| 720 | IT | 112 | Internship | Rishi Vyas | HTML, CSS AND JAVASCRIPT for Web Developers |
| 721 | IT | 112 | Internship | Rishika Sharma | Python Developer in 2022 from zero to mastery |
| 722 | IT | 112 | Internship | Riya Sharma | PYTHON |
| 723 | IT | 112 | Internship | Rohit Baghel | Industrial training |
| 724 | IT | 112 | Internship | Rohit Sankhala | HTML,CSS and Javascrpt for web Developers |
| 725 | IT | 112 | Internship | Sahil Chandani | Phython Basics |
| 726 | IT | 112 | Internship | Saksham Sharma | Become a Certified HTML, CSS, JavaScript Web Developer |
| 727 | IT | 112 | Internship | Saloni Shrivastava | Coding |
| 728 | IT | 112 | Internship | Sameer maheshwari | Chatbot(python) |
| 729 | IT | 112 | Internship | Sanchay Jain | Html, Css And JavaScript |
| 730 | IT | 112 | Internship | Saransh Jain | Learn To Code With Python from Scratch. |
| 731 | IT | 112 | Internship | Shashank Sharma | Web development |
| 732 | IT | 112 | Internship | Shivam garg | WEB DEVELOPMENT |
| 733 | IT | 112 | Internship | Shruti Gupta | Web Development |
| 734 | IT | 112 | Internship | Shruti Sharma | Web development |
| 735 | IT | 112 | Internship | Sneha | Web development bootcamp 2022 |
| 736 | IT | 112 | Internship | Sneha gupta | Technical Entrepreneurship Development program- RPA |

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| 737 | IT | 112 | Internship | Somesh Sharma | IT Networking Fundamentals with Lab Practicals |
| 738 | IT | 112 | Internship | Soumya Agarwal | Python |
| 739 | IT | 112 | Internship | Sparsh Gupta | Programming |
| 740 | IT | 112 | Internship | Subrat Shukla | Javascript |
| 741 | IT | 112 | Internship | Suvesh sharma | Web development |
| 742 | IT | 112 | Internship | Tanishka narula | python basics |
| 743 | IT | 112 | Internship | Varnika Jain | Learn Python Programming Masterclass |
| 744 | IT | 112 | Internship | Vartika Jain | Python From Scratch |
| 745 | IT | 112 | Internship | Vasudev Gupta | Python 101 for Data Science |
| 746 | IT | 112 | Internship | Vatsalya bohara | The Fundamentals Of Digital Marketing |
| 747 | IT | 112 | Internship | Vedika Garg | Digital Marketing |
| 748 | IT | 112 | Internship | Vibhor Mittal | Python |
| 749 | IT | 112 | Internship | Vidit parikh | Hotel management system |
| 750 | IT | 112 | Internship | Vinay Khatri | Digital marketing |
| 751 | IT | 112 | Internship | VINIT PRADHAN | Digital Marketing |
| 752 | IT | 112 | Internship | Vishnu kumar | Web development |
| 753 | IT | 112 | Internship | Yashvi Nama | Robotics Process Automation |
| 754 | IT | 112 | Internship | Yashwant Sharma | Python and Computer Vision |
| 755 | IT | 112 | Internship | Yuvraj Singh Rathore | Web development |
| 756 | IT | 112 | Internship | Yuvraj Upadhyay | PYTHON |
| 757 | IT | 112 | Internship | HARSH GUPTA | Embedded system |
| 758 | IT | 112 | Internship | Neeraj Borana | Embedded System |
| 759 | IT | 112 | Internship | Aaftab Khan | The Complete Android Oreo Developer Course - Build 23 Apps! |
| 760 | IT | 112 | Internship | Aakarsh Thora | Google Cloud Computing Fundamental |
| 761 | IT | 112 | Internship | Aayush Malav | Google Cloud |

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|-----|----|-----|------------|------------------------|--|
| 762 | IT | 112 | Internship | Abhay Sharma | Neural Network and Deep Learning |
| 763 | IT | 112 | Internship | Abhay Sharma | Google cloud computing |
| 764 | IT | 112 | Internship | Abhijeet Choudhary | G. C. C. F |
| 765 | IT | 112 | Internship | Abhishek Singh Rathore | Web development |
| 766 | IT | 112 | Internship | Adarsh Tapariya | Python Programming |
| 767 | IT | 112 | Internship | Aditi Sharma | Full Stack Development |
| 768 | IT | 112 | Internship | ADITYA GOYAL | GOOGLE CLOUD COMPUTING FOUNDATIONS |
| 769 | IT | 112 | Internship | Aditya Jaiswal | Web development |
| 770 | IT | 112 | Internship | Aishwary Goswami | Neural Networks and Deep Learning |
| 771 | IT | 112 | Internship | Akshat Jain | Introduction to tensorflow for artificial intelligence, machine learning and deep learning |
| 772 | IT | 112 | Internship | AMIT YADAV | Project Development Using JAVA for Beginners |
| 773 | IT | 112 | Internship | Ananya Jain | Google Cloud Platform |
| 774 | IT | 112 | Internship | Anshul Khandelwal | Web development |
| 775 | IT | 112 | Internship | Aryan Verma | Google cloud computing fundamental |
| 776 | IT | 112 | Internship | Ayan kumar Sethi | GCCF |
| 777 | IT | 112 | Internship | Ayush kumar jain | C++ programming language |
| 778 | IT | 112 | Internship | Brijnandan meena | Front end web development |
| 779 | IT | 112 | Internship | Chahak Khandelwal | Google cloud computing |
| 780 | IT | 112 | Internship | Deepak Singhal | Google Cloud Computing |
| 781 | IT | 112 | Internship | DEVANSH AGARWAL | AWS FUNDAMENTALS |
| 782 | IT | 112 | Internship | devesh sharma | Python Programming |
| 783 | IT | 112 | Internship | Dhruv Shringi | Industrial training |

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| 784 | IT | 112 | Internship | Divesh Maheshwari | Google cloud computing foundation |
| 785 | IT | 112 | Internship | Garvit Kumar | C++ Programming Language |
| 786 | IT | 112 | Internship | Gaurav khandelwal | Python basic advance and django |
| 787 | IT | 112 | Internship | HARDIK SINGHAL | Google Cloud Computing Foundation Program |
| 788 | IT | 112 | Internship | HARSH GUPTA | Google cloud computing foundation |
| 789 | IT | 112 | Internship | Harsh sharma | cloud computing |
| 790 | IT | 112 | Internship | Harsh Singhal | SQL |
| 791 | IT | 112 | Internship | Harsh Verna | Python programming language |
| 792 | IT | 112 | Internship | Harshit agarwal | Google Cloud Computing Foundations |
| 793 | IT | 112 | Internship | Harshit Tiwari | Google Cloud Computing Foundations |
| 794 | IT | 112 | Internship | HITESHA KUMARI | WEB DEVELOPMENT |
| 795 | IT | 112 | Internship | Ishan Mittal | Python Programming Bootcamp |
| 796 | IT | 112 | Internship | Jaanvi Pandey | Google Cloud Platform Services |
| 797 | IT | 112 | Internship | Jirin Jain | Google Cloud Computing Foundations |
| 798 | IT | 112 | Internship | Keshav Kumar | GCCF |
| 799 | IT | 112 | Internship | Khushi Jain | Web development |
| 800 | IT | 112 | Internship | Khushi Nandwana | Google Cloud Computing Foundation |
| 801 | IT | 112 | Internship | Khushi Vijay | Gccf |
| 802 | IT | 112 | Internship | kirty gupta | Programming with Python |
| 803 | IT | 112 | Internship | Kunal Mod | Introduction to Tensorflow for AI, ML and DL |
| 804 | IT | 112 | Internship | Kushal Gera | GCCF |
| 805 | IT | 112 | Internship | Maidini Gautam | Google Cloud Computing Program |
| 806 | IT | 112 | Internship | Manas gaur | PYTHON |

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|-----|----|-----|------------|------------------------|---|
| 807 | IT | 112 | Internship | Manas Sharma | Beginning C++ Programming-Form Beginner to Beyond |
| 808 | IT | 112 | Internship | Mitanshu Surana | Google Cloud Computing Foundation |
| 809 | IT | 112 | Internship | Naman sharma | C++ |
| 810 | IT | 112 | Internship | NEHAL JAIN | Python Data Structures |
| 811 | IT | 112 | Internship | Nishant Kumawat | Java programming for complete beginners |
| 812 | IT | 112 | Internship | Prakhar Bhargava | Python |
| 813 | IT | 112 | Internship | Pranjal Jain | Android Application Development |
| 814 | IT | 112 | Internship | Pratham Kabra | Web Development |
| 815 | IT | 112 | Internship | Praveen sharma | Web development |
| 816 | IT | 112 | Internship | Prerna Preeek | Web Development |
| 817 | IT | 112 | Internship | Priyanshi Jangid | Machine Learnig |
| 818 | IT | 112 | Internship | Puneet Kumar Saini | Introduction to Machine learning |
| 819 | IT | 112 | Internship | Radhika Sikarwar | Python basics |
| 820 | IT | 112 | Internship | Rahul kumar jangid | Python |
| 821 | IT | 112 | Internship | Ravindra Anchara | Machine Learning |
| 822 | IT | 112 | Internship | Rishabh Jain | App Development Using Flutter |
| 823 | IT | 112 | Internship | Rohit Khandelwal | Web development, backend |
| 824 | IT | 112 | Internship | Sachin Nehra | ROBOTIC PROCESS AUTOMATION |
| 825 | IT | 112 | Internship | Samay Gupta | Electric Vehicle internship |
| 826 | IT | 112 | Internship | Saurabh Pandey | Basic Web Development with React JS and JS |
| 827 | IT | 112 | Internship | Shashank Maheshwari | Machine learning |
| 828 | IT | 112 | Internship | Sheersh Jain | Docker |
| 829 | IT | 112 | Internship | Shivam Shrivastava | cyber security and ethical hacking |

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|-----|----|-----|------------|-------------------|--|
| 830 | IT | 112 | Internship | Shobit Khandelwal | Google Cloud Computing Foundations |
| 831 | IT | 112 | Internship | Shreya Kothiwal | Google cloud computing foundations |
| 832 | IT | 112 | Internship | Shubhanshu Garg | Cybersecurity Compliance Framework and System Administration |
| 833 | IT | 112 | Internship | Shyam Garg | Web development |
| 834 | IT | 112 | Internship | Siddharth Jain | Android app development |
| 835 | IT | 112 | Internship | Sneha Mittal | Diploma in Marketing Analytics |
| 836 | IT | 112 | Internship | Sonal Mundra | Google Cloud Computing Foundation |
| 837 | IT | 112 | Internship | Sparsh Mittal | Google Cloud Computing Foundation |
| 838 | IT | 112 | Internship | Srijan Jain | JavaScript |
| 839 | IT | 112 | Internship | Suhani Gupta | Web Development |
| 840 | IT | 112 | Internship | Surya Sharma | Cybersecurity |
| 841 | IT | 112 | Internship | Tanupriya Jindal | Google Cloud Computing Foundation Course |
| 842 | IT | 112 | Internship | Ujjwal mittal | LocalEyes |
| 843 | IT | 112 | Internship | Vaibhav lakhawat | Android development |
| 844 | IT | 112 | Internship | Vedika Goyal | Hypertext preprocessors |
| 845 | IT | 112 | Internship | Harsh Verma | Python Programming Language |
| 846 | IT | 112 | Internship | Hrishabh Kothari | Elements of AI |
| 847 | IT | 112 | Internship | Samay Gupta | Electric Vehicles Internship |
| 848 | IT | 112 | Internship | Abhishek Tiwari | Python programming |
| 849 | IT | 112 | Internship | Raghav Mandowara | Deep learning. AI |
| 850 | IT | 112 | Internship | Saksham Jain | Web Development |
| 851 | IT | 112 | Internship | Sneha Mittal | Marketing Analytics |
| 852 | IT | 112 | Internship | Yash sharma | JAVASCRIPT |
| 853 | IT | 112 | Internship | Mayank Jain | Wearher Page |
| 854 | IT | 112 | Internship | Mohit Gupta | GCCF |

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|-----|----|-----|------------|---------------------------|---|
| 855 | IT | 112 | Internship | NAMAN GOYAL | GCCF |
| 856 | IT | 112 | Internship | ASHUTOSH SHARMA | Learn to code in Python 3 |
| 857 | IT | 112 | Internship | meghraj.it23@je crc.ac.in | Python |
| 858 | IT | 112 | Internship | ABHIJEET SANCHETI | Python for data analysis and Visualization |
| 859 | IT | 112 | Internship | Abhimanyu Singh Hada | Natural language processing |
| 860 | IT | 112 | Internship | ABHINAV GOYAL | BIG DATA AND HADOOP |
| 861 | IT | 112 | Internship | Abhishek Kumar Sinha | Web Development (Django Framework)My portfolio website |
| 862 | IT | 112 | Internship | Abin Varghese | Summer program on MLOps Platform |
| 863 | IT | 112 | Internship | Aditya Bhatnagar | Python with Flask |
| 864 | IT | 112 | Internship | Aishwarya Harsh | Web Development |
| 865 | IT | 112 | Internship | Akshat Pareek | Responsive Website Design |
| 866 | IT | 112 | Internship | Akshit Jain | Machine learning |
| 867 | IT | 112 | Internship | Aman Agarwal | Web Development |
| 868 | IT | 112 | Internship | Aman Dakhera | Python Training |
| 869 | IT | 112 | Internship | Aman dhaker | Sentimental analysis |
| 870 | IT | 112 | Internship | Aman Dhing | Student Result Management System |
| 871 | IT | 112 | Internship | Aman Dokania | Ecommerce Application |
| 872 | IT | 112 | Internship | Aman Kedia | Distributed Serverless Workflow for Stock Price Movements |
| 873 | IT | 112 | Internship | Aman Sharma | React Js |
| 874 | IT | 112 | Internship | Aniket Jain | Ecommerce website (Web Development) |
| 875 | IT | 112 | Internship | Animesh Mathur | Image Editing Software |
| 876 | IT | 112 | Internship | Anirudh Sharma | Full-Stack Web Development with React |

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|-----|----|-----|------------|-------------------|--|
| 877 | IT | 112 | Internship | Anirudhi Thanvi | IBM skillbuild innovation camp – 2021 |
| 878 | IT | 112 | Internship | ankit bansal | Android development with java and kotlin |
| 879 | IT | 112 | Internship | Anul Jain | Deep learning |
| 880 | IT | 112 | Internship | Arbaz Hussain | Web Technology(ReactJs) |
| 881 | IT | 112 | Internship | Arushi Jain | Machine Learning |
| 882 | IT | 112 | Internship | Aryan Chngal | Industrial Training Report |
| 883 | IT | 112 | Internship | Ashish Shrivastav | Data Science |
| 884 | IT | 112 | Internship | Ayush Bansal | Implementation of MS POWER BI regarding Covid 19 |
| 885 | IT | 112 | Internship | Bhanvi Menghani | Cognix-Valve Builder - python/ML |
| 886 | IT | 112 | Internship | DARSHIKA SAINI | HEALTH CONSULT RECORDS WEBSITE |
| 887 | IT | 112 | Internship | Dewang Agarwal | Implementation of end to end used car price prediction |
| 888 | IT | 112 | Internship | Dheeraj Sharma | Web development library site |
| 889 | IT | 112 | Internship | Faizan Ahamed | 3D ANIMATION IN AUTODESK MAYA |
| 890 | IT | 112 | Internship | Garvita jain | Machine Learning with Data Science |
| 891 | IT | 112 | Internship | Gaurav Sharma | House Price Prediction ML model |
| 892 | IT | 112 | Internship | Guhika Bhandari | End To End House Price Prediction (ML) Project |
| 893 | IT | 112 | Internship | Harshit Sachdeva | Android App Development |
| 894 | IT | 112 | Internship | Himanshu Kudal | Android development |
| 895 | IT | 112 | Internship | Hitesh Harsh | Data Engineering over Cloud with DevOps Automation |
| 896 | IT | 112 | Internship | Ishika Garg | Weather Forecasting App in Python |
| 897 | IT | 112 | Internship | Ishika Mishra | Flutter and Dart |



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|-----|----|-----|------------|---------------------|---|
| 898 | IT | 112 | Internship | JAIKISHAN AGARWAL | INDUSTRIAL TRAINING ON DATA ANALYTICS |
| 899 | IT | 112 | Internship | Jatin Sharma | Backend Development Using Django |
| 900 | IT | 112 | Internship | Khushboo Jain | Data Analytics |
| 901 | IT | 112 | Internship | Khushi Singhal | Spam Email Analysis-NLP |
| 902 | IT | 112 | Internship | Lokesh Acharya | Flutter And Dart |
| 903 | IT | 112 | Internship | Manoj jain | Web development with html,css & Java script |
| 904 | IT | 112 | Internship | Mayank Batwal | Data Analytics |
| 905 | IT | 112 | Internship | Megha Agarwal | Twitter Sentiment Analysis |
| 906 | IT | 112 | Internship | MRIDUL KHANDELWAL | E-COMMERCE APPLICATION |
| 907 | IT | 112 | Internship | Muskan Slathia | Twitter Sentiment Analysis using Machine Learning |
| 908 | IT | 112 | Internship | Nandini Gupta | House Price Prediction |
| 909 | IT | 112 | Internship | Neha jain | Flight Price Prediction |
| 910 | IT | 112 | Internship | Nikhil Soni | Flutter |
| 911 | IT | 112 | Internship | Nishant Arora | Movie Recommendation System |
| 912 | IT | 112 | Internship | Nitu Kumawat | Machine Learning |
| 913 | IT | 112 | Internship | Parag Garg | Machine learning |
| 914 | IT | 112 | Internship | Parikshit Shaktawat | NerdCoders-Website Development |
| 915 | IT | 112 | Internship | Parul Jain | Deep Learning |
| 916 | IT | 112 | Internship | Piyush Kothari | The Comprehensive Android App Development Masterclass |
| 917 | IT | 112 | Internship | Pooja Agarwal | Twitter Sentimental Analysis |
| 918 | IT | 112 | Internship | Prachi Joshi | Polar Line |
| 919 | IT | 112 | Internship | Prajwal Gidwani | Deep Learning |
| 920 | IT | 112 | Internship | Raghav Sharma | Front-end Web Development |

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|-----|----|-----|------------|---------------------|---|
| 921 | IT | 112 | Internship | Raj Shrivastava | Stock Market Analysis in Python |
| 922 | IT | 112 | Internship | Rakshit Lodha | Desktop assistant |
| 923 | IT | 112 | Internship | Rishabh Jain | Pthon Django – The Practical Guide |
| 924 | IT | 112 | Internship | Rishav Sharma | Machine Learning |
| 925 | IT | 112 | Internship | Rohan Jain | Android Development |
| 926 | IT | 112 | Internship | Rohit Sharma | Machine Learning And Data Science With Python |
| 927 | IT | 112 | Internship | Sahil Khandelwal | Full Stack with Django & React |
| 928 | IT | 112 | Internship | Sakshi Gupta | Machine Learning |
| 929 | IT | 112 | Internship | Sakshi Mishra | Project Title - Student Solution |
| 930 | IT | 112 | Internship | Sanjana | Machine Learning |
| 931 | IT | 112 | Internship | Sanskar Soni | FULL STACK WEB DEVELOPMENT |
| 932 | IT | 112 | Internship | Sarthak Arya | Java & JavaScript |
| 933 | IT | 112 | Internship | Shivansh Khandelwal | Continuous Integration and Continuous Deployment |
| 934 | IT | 112 | Internship | Shlo Pandit | Network Security |
| 935 | IT | 112 | Internship | Shradha Gupta | Full stack development |
| 936 | IT | 112 | Internship | shubham sain | network security |
| 937 | IT | 112 | Internship | Siddarth Jain | The Comprehensive Android App Development Masterclass |
| 938 | IT | 112 | Internship | Sneha Gupta | React-js & Node-js |
| 939 | IT | 112 | Internship | Sonakshi Sikhwal | Machine Learning |
| 940 | IT | 112 | Internship | Tanisha Modi | Python Django |
| 941 | IT | 112 | Internship | Vaibhav Sharma | Web Development |
| 942 | IT | 112 | Internship | Vaishali Goyal | Django: Beginner To Advanced |
| 943 | IT | 112 | Internship | Versha Krishnani | Machine Learning |
| 944 | IT | 112 | Internship | Yash Garg | Dictionary webpage |
| 945 | IT | 112 | Internship | YOGYA CHHATWANI | RESPONSIVE WEB DESIGN |

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|-----|-----|-----|------------|---------------------------|--|
| 946 | CSE | 106 | Internship | AABHAR GUPTA | PG life |
| 947 | CSE | 106 | Internship | AADITYA VYAS | Pinterest clone site , django administrator |
| 948 | CSE | 106 | Internship | AARSHI AGARWAL | 365 Entertainment |
| 949 | CSE | 106 | Internship | AAYUSH SHARMA | |
| 950 | CSE | 106 | Internship | AAYUSHI SINGH | Chronic Kidney Disease Prediction |
| 951 | CSE | 106 | Internship | ABHEY SINGH | E-commerce website |
| 952 | CSE | 106 | Internship | ABHIMANYU GABHRANI | stock price prediction |
| 953 | CSE | 106 | Internship | ABHINANDAN AMAN | login page |
| 954 | CSE | 106 | Internship | ABHISHEK SHARMA | |
| 955 | CSE | 106 | Internship | ABHISHEK SINGH RATHORE | Fantasy Cricket Game |
| 956 | CSE | 106 | Internship | ABHISHEK SURANA | Heart Disease Prediction |
| 957 | CSE | 106 | Internship | ADITI SHARMA | Car price prediction |
| 958 | CSE | 106 | Internship | ADITYA ANIL PARIHAR | login authentication |
| 959 | CSE | 106 | Internship | ADITYA KUMAR | Hostel for boys |
| 960 | CSE | 106 | Internship | ADITYA PANWAR | |
| 961 | CSE | 106 | Internship | ADITYA SIKHWAL | PG-life |
| 962 | CSE | 106 | Internship | AKANSHA GUPTA | registration or login page |
| 963 | CSE | 106 | Internship | AKRITI MANGAL | Roshambo Game |
| 964 | CSE | 106 | Internship | AKSHAT KANOONGO | Banking system |
| 965 | CSE | 106 | Internship | AKSHITA ARORA | E-commerce website |
| 966 | CSE | 106 | Internship | AKSHITA BANGAR | portfolio management website |
| 967 | CSE | 106 | Internship | AMAN DHAKAD | wine quality prediction |
| 968 | CSE | 106 | internship | ANAND SINGH GAHLOUT | |
| 969 | CSE | 106 | Internship | ANIMESH JAIN | car price prediction |
| 970 | CSE | 106 | Internship | ANJULI AGGARWAL | Pinterest, e-commerce website |
| 971 | CSE | 106 | Internship | ANKIT KHANDELWAL | |

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|-----|-----|-----|------------|-----------------------|--|
| 972 | CSE | 106 | Internship | ANKUR KUMAR SINGH | Fantasy Cricket Game |
| 973 | CSE | 106 | Internship | ANSH KHANDELWAL | Diabetes prediction |
| 974 | CSE | 106 | Internship | ANSHIKA SINGHAL | |
| 975 | CSE | 106 | Internship | ANUBHAV SONI | Pizza Price Prediction |
| 976 | CSE | 106 | Internship | ANUJ BHALOTHIA | PG Life |
| 977 | CSE | 106 | Internship | ANURAG DADHICH | |
| 978 | CSE | 106 | Internship | ANURAG RATHORE | registration or login page |
| 979 | CSE | 106 | Internship | ANUSHKA SHARMA | |
| 980 | CSE | 106 | Internship | APOORV SHARMA | Vulnerabilities in an e-commerce website |
| 981 | CSE | 106 | Internship | APOORVA JAIN | Vulnerabilities in an e-commerce website |
| 982 | CSE | 106 | Internship | APURVA RATHORE | Word Cloud |
| 983 | CSE | 106 | Internship | APURVA SINGHAL | |
| 984 | CSE | 106 | Internship | ARCHIT SHARMA | |
| 985 | CSE | 106 | Internship | ARIN GOYAL | Red-wine Quality Prediction |
| 986 | CSE | 106 | Internship | ARPIT KRISHAN SHARMA | Vege-Train |
| 987 | CSE | 106 | Internship | ARPIT SRIVASTAVA | word cloud |
| 988 | CSE | 106 | Internship | ARPITA GANJOO | 365 entertainment |
| 989 | CSE | 106 | Internship | ARPITA MAHESHWARI | Virtual Cricket Game |
| 990 | CSE | 106 | Internship | ARSHAD HUSSAIN ANSARI | |
| 991 | CSE | 106 | Internship | ARUSHI JAIN | |
| 992 | CSE | 106 | Internship | ARYAN SHARMA | heart disease prediction |
| 993 | CSE | 106 | Internship | ARYAN YADAV | IRCTC website |
| 994 | CSE | 106 | Internship | ASHIKA AGRAWAL | PG life |
| 995 | CSE | 106 | Internship | AVI SHARMA | |
| 996 | CSE | 106 | Internship | AYUSH ARYA | |
| 997 | CSE | 106 | Internship | AYUSH JANGID | personal voice assistant |
| 998 | CSE | 106 | Internship | AYUSHI JOSHI | Heart Rate Prediction |

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|------|-----|-----|------------|---------------------------------|--|
| 999 | CSE | 106 | Internship | AYUSHI KHANDELWAL | |
| 1000 | CSE | 106 | Internship | BHANU PRATAP SHARMA | |
| 1001 | CSE | 106 | Internship | BHAVYA BANSAL | E-commerce website |
| 1002 | CSE | 106 | Internship | BHAWNA GOLCHHA | |
| 1003 | CSE | 106 | Internship | Bhoomi Garg | Pinterest website |
| 1004 | CSE | 106 | Internship | CHANDRA SHEKHAR CHAUDHARY | Pinterest, E-commerce website |
| 1005 | CSE | 106 | Internship | CHARUL YADAV | |
| 1006 | CSE | 106 | Internship | CHINMAY AGARWAL | bookhub app |
| 1007 | CSE | 106 | Internship | CHIRAG MATHUR | Entertainment Website |
| 1008 | CSE | 106 | Internship | CHIRAG MIDDHA | |
| 1009 | CSE | 106 | Internship | CHIRAG SINGHVI | login authentication |
| 1010 | CSE | 106 | Internship | DARSHAN RATHI | personal travel blog |
| 1011 | CSE | 106 | Internship | DEEPAK KUMAR | Survey form |
| 1012 | CSE | 106 | Internship | DEVANG DEVLIA | Space tourism website |
| 1013 | CSE | 106 | Internship | DEVANG RATHOD | word cloud generator |
| 1014 | CSE | 106 | Internship | DEVESH KUMAR | Pizza Price Prediction |
| 1015 | CSE | 106 | Internship | DEWANG KHANDELWAL | Human Activity Recognition |
| 1016 | CSE | 106 | Internship | DHRUV AGARWAL | |
| 1017 | CSE | 106 | Internship | DHRUV SUTHAR | |
| 1018 | CSE | 106 | Internship | DHWANI JINDAL | Bank Management System |
| 1019 | CSE | 106 | Internship | DIGVIJAY SINGH | Machine learning with python |
| 1020 | CSE | 106 | Internship | DIKSHA SHARMA | bank management system |
| 1021 | CSE | 106 | Internship | DILIP KUMAR SUTHAR | Web development using Python-Django |
| 1022 | CSE | 106 | Internship | DIVIT RAJAWAT | Machine learning using python |
| 1023 | CSE | 106 | Internship | DIVYA AHUJA | Web development using python |
| 1024 | CSE | 106 | Internship | DIVYA JAIN | Machine Learning Using Python |
| 1025 | CSE | 106 | Internship | DIVYANSH JANGID | web development using python |
| 1026 | CSE | 106 | Internship | DIVYANSH MITTAL | Machine Learning with Python |

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|------|-----|-----|------------|------------------------|---------------------------------------|
| 1027 | CSE | 106 | Internship | DIYA JAIN | Web development with ReactJs |
| 1028 | CSE | 106 | Internship | GATIK RATHOR | Machine learning with A.I |
| 1029 | CSE | 106 | Internship | GAURAV GUPTA | Machine learning with A.I |
| 1030 | CSE | 106 | Internship | GAURAV THANVI | Python with Machine Learning |
| 1031 | CSE | 106 | Internship | GIRDHAR PANDEY | Machine learning using python |
| 1032 | CSE | 106 | Internship | GOURAV SINGH | |
| 1033 | CSE | 106 | Internship | HARDIK JHALANI | Python programming |
| 1034 | CSE | 106 | Internship | HARDIK RATHI | Web development using Python-Django |
| 1035 | CSE | 106 | Internship | HARSH GARG | Web development using Python-Django |
| 1036 | CSE | 106 | Internship | HARSH NAGAR | Machine learning using python |
| 1037 | CSE | 106 | Internship | HARSH SAHU | machine learning using python |
| 1038 | CSE | 106 | Internship | HARSHAL POKHARNA | Web development using python |
| 1039 | CSE | 106 | Internship | HARSHDEEP SINGH SALUJA | |
| 1040 | CSE | 106 | Internship | HARSHIT DHANUKA | machine learning using python |
| 1041 | CSE | 106 | Internship | HARSHIT KABRA | web development using Python –Django |
| 1042 | CSE | 106 | Internship | HARSHIT YADAV | Bank management system |
| 1043 | CSE | 106 | Internship | HARSHITA AGARWAL | |
| 1044 | CSE | 106 | Internship | HARSHVARDHA N BHARDWAJ | |
| 1045 | CSE | 106 | Internship | HEMANT KUMAR | Student Report Management System |
| 1046 | CSE | 106 | Internship | HEMANT KUMAR GARG | Bank management System |
| 1047 | CSE | 106 | Internship | HIMANSHU | agriculture optimisation using python |
| 1048 | CSE | 106 | Internship | HIMANSHU SHARMA | |
| 1049 | CSE | 106 | internship | JAIN NEHAL DINESHKUMAR | Machine Learning using Python |
| 1050 | CSE | 106 | Internship | JAINI SHAH | |
| 1051 | CSE | 106 | Internship | JANVI MOTWANI | Web development using Python-Django |
| 1052 | CSE | 106 | Internship | JASMINE SHARMA | Bank management system |

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|------|-----|-----|------------|-----------------------|-------------------------------------|
| 1053 | CSE | 106 | Internship | JATIN KUMAR SHANDILYA | Bank Management System |
| 1054 | CSE | 106 | Internship | JATIN KUMAR YADAV | Machine learning with A. I. |
| 1055 | CSE | 106 | Internship | JATIN LALWANI | Cyber Security-phishing pages |
| 1056 | CSE | 106 | Internship | JATIN SAINI | web development |
| 1057 | CSE | 106 | Internship | JAY JIGNESH BHAVSAR | Production Units Prediction System |
| 1058 | CSE | 106 | Internship | JAYESH BHOOTRA | web development with python |
| 1059 | CSE | 106 | Internship | JITESH KUMAR NARULA | PG home |
| 1060 | CSE | 106 | Internship | KALPIT JAIN | HTML Workshop |
| 1061 | CSE | 106 | Internship | KANIKA MUNSHI | Machine learning using python |
| 1062 | CSE | 106 | Internship | KANISHK SINGHAL | web development |
| 1063 | CSE | 106 | Internship | KARAN PATHAK | Web Development |
| 1064 | CSE | 106 | Internship | KARTIK SANKHLA | Machine learning using python |
| 1065 | CSE | 106 | Internship | KARTIK SONI | |
| 1066 | CSE | 106 | Internship | KARTIKEY SHARMA | bank management system |
| 1067 | CSE | 106 | Internship | KAUSTUBHI AGRAWAL | bank management system |
| 1068 | CSE | 106 | Internship | KHUSHAL KUMAWAT | machine learning using python |
| 1069 | CSE | 106 | Internship | KHUSHBOO AGARWAL | google geostation locator |
| 1070 | CSE | 106 | Internship | KHUSHI GOYAL | Book my show clone, zomato clone |
| 1071 | CSE | 106 | Internship | KHUSHI KHANDELWAL | bank management system |
| 1072 | CSE | 106 | Internship | KHUSHI SONI | Production Units prediction system |
| 1073 | CSE | 106 | Internship | KINJAL SETHI | |
| 1074 | CSE | 106 | Internship | KINSHUK BANSAL | Web Development using python-django |
| 1075 | CSE | 106 | Internship | KOUSHIK KHANDELWAL | machine learning with python |
| 1076 | CSE | 106 | Internship | KRITI PANCHOLI | Machine Learning with Python |
| 1077 | CSE | 106 | Internship | KRITIKA GUPTA | C PROGRAMMING |
| 1078 | CSE | 106 | Internship | KSHITIZ SHRIVASTAVA | Web development with python django |
| 1079 | CSE | 106 | Internship | KUNAL SAHU | Web development with python django |

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|------|-----|-----|------------|-----------------------|--------------------------------------|
| 1080 | CSE | 106 | Internship | KUNAL SHARMA | Web development with python django |
| 1081 | CSE | 106 | Internship | KUNARK RAWAT | Machine learning using python |
| 1082 | CSE | 106 | Internship | KUSHAGRA KASHYAP | Machine learning using python |
| 1083 | CSE | 106 | Internship | LAKSHIT JOSHI | Machine learning using python |
| 1084 | CSE | 106 | Internship | LAKSHYA PANCHAL | Machine learning using python |
| 1085 | CSE | 106 | Internship | LAKSHYA TAMBI | Machine learning using python |
| 1086 | CSE | 106 | Internship | LAXIT NAHAR | Machine learning using python |
| 1087 | CSE | 106 | Internship | LUCKY SHARMA | Web development with python django |
| 1088 | CSE | 106 | Internship | MADHUR GUPTA | web development |
| 1089 | CSE | 106 | Internship | MAHAK CHOUHAN | web development with python django |
| 1090 | CSE | 106 | Internship | MANAV CHOUDHARY | Machine learning using python |
| 1091 | CSE | 106 | Internship | MANOJ KUMAR KHANDELIA | Machine learning using Python |
| 1092 | CSE | 106 | Internship | MAYANK ROHILLA | Machine learning using python |
| 1093 | CSE | 106 | Internship | MOHAMMED BILAL SHEIKH | Machine Learning using Python |
| 1094 | CSE | 106 | Internship | MOHIT BORA | CORE JAVA |
| 1095 | CSE | 106 | Internship | MOHIT GUPTA | web development with python django |
| 1096 | CSE | 106 | Internship | MONISHA JHANWAR | web development with python django |
| 1097 | CSE | 106 | Internship | MRUDUL VERMA | Web Development using Python-Django |
| 1098 | CSE | 106 | Internship | NAMAN JAIN | Web development using Python-Django' |
| 1099 | CSE | 106 | Internship | NAMAN MATHUR | Machine Learning Using python |
| 1100 | CSE | 106 | Internship | NANCY JAIN | Web Development using Python-Django |
| 1101 | CSE | 106 | Internship | NANDANI KAKANI | Web Development using Python-Django |
| 1102 | CSE | 106 | Internship | NANDINI AGARWAL | Android Development Using Kotlin |
| 1103 | CSE | 106 | Internship | NANDINI TRIVEDI | Machine Learning Using python |

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|------|-----|-----|------------|--------------------|---|
| 1104 | CSE | 106 | Internship | NARESH SHARMA | web development using python django |
| 1105 | CSE | 106 | Internship | NAVEEN JANGID | Web development using python django |
| 1106 | CSE | 106 | Internship | NEHA MANGAL | Web development using Django |
| 1107 | CSE | 106 | Internship | NIPUN JAIN | Machine Learning using python |
| 1108 | CSE | 106 | Internship | NISHANT MUNSHI | Machine Learning using Python |
| 1109 | CSE | 106 | Internship | NISHANT SHAKYA | Machine learning using python |
| 1110 | CSE | 106 | Internship | NISHITA SHARMA | Machine Learning Using Python |
| 1111 | CSE | 106 | Internship | NITIN MALAV | Machine Learning Using Python |
| 1112 | CSE | 106 | Internship | NITYASH KUMAR | Introduction To c++ |
| 1113 | CSE | 106 | Internship | OJASVI SHARMA | Machine Learning Using Python |
| 1114 | CSE | 106 | Internship | PIYUSH JAISWAL | Machine Learning using Python |
| 1115 | CSE | 106 | Internship | POOJA GARG | Web Development using python Django |
| 1116 | CSE | 106 | Internship | POOJA KANWAR | web development using python DJANGO |
| 1117 | CSE | 106 | Internship | PRACHI SHARMA | Web Development using Python-Django |
| 1118 | CSE | 106 | Internship | PRAKHAR SHARMA | |
| 1119 | CSE | 106 | Internship | PRAROOP KUMAWAT | web development |
| 1120 | CSE | 106 | Internship | PRASHAM JAIN | ML using Python |
| 1121 | CSE | 106 | Internship | PRASHANSA GOYAL | Web development using python django |
| 1122 | CSE | 106 | Internship | PREKSHA JAIN | Machine learning using python |
| 1123 | CSE | 106 | Internship | PRESHIT KATTA | web development using python django |
| 1124 | CSE | 106 | Internship | Aryan Audichya | Web development using Python-Django |
| 1125 | CSE | 106 | Internship | Hemant Kumar | Flutter Monile |
| 1126 | CSE | 106 | Internship | Ali Abbas Mashriqi | |
| 1127 | CSE | 106 | Internship | Shimoni Vyas | <u>"Beginning C++ Programming - From Beginner to Beyond".</u> |

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|------|-----|-----|------------|-----------------------|---|
| 1128 | CSE | 106 | Internship | Ayushi kumari | web development using python-Django |
| 1129 | CSE | 106 | Internship | Jasika kumari | Web development using Python-Django |
| 1130 | CSE | 106 | Internship | Rohit Gautam | core java |
| 1131 | CSE | 106 | Internship | Meganshi asawara | web development using Python-Django |
| 1132 | CSE | 106 | Internship | Akshat Khatod | Machine Learning using Python |
| 1133 | CSE | 106 | Internship | Aayushi bansal | |
| 1134 | CSE | 106 | Internship | Chandrapal Singh Inda | Machine learning using python |
| 1135 | CSE | 106 | Internship | CHIRAG GARG | Web Development |
| 1136 | CSE | 106 | Internship | KUSHAL PAREEK | Embedded System Design |
| 1137 | CSE | 106 | Internship | KHUSHI JAIN | Embedded System Design |
| 1138 | CSE | 106 | Internship | Bharti Somra | Linux Basics: The Command Line Interface |
| 1139 | CSE | 106 | Internship | Mohit Parwani | Embedded Systems and Designs |
| 1140 | CSE | 106 | Internship | Priyank Mehta | Machine Learning Using Python |
| 1141 | CSE | 106 | Internship | Priyanshu Gupta | Web Development learning project |
| 1142 | CSE | 106 | Internship | Pulkit Mathur | Machine learning using python |
| 1143 | CSE | 106 | Internship | Radhika Dhoot | Embedded System and it's Applications using 8 bit-MCU |
| 1144 | CSE | 106 | Internship | Rahul Jain | programming for everybody using python |
| 1145 | CSE | 106 | Internship | Rahul Sharma | programming for everybody using python |
| 1146 | CSE | 106 | Internship | Raj Kumar | Machine Learning Using Python |
| 1147 | CSE | 106 | Internship | Rajat singh bhati | web development |
| 1148 | CSE | 106 | Internship | Rakshit Parti | Machine learning with puthon |
| 1149 | CSE | 106 | Internship | Richa Gautam | python programming |
| 1150 | CSE | 106 | Internship | Rimjhim sharma | embedded system and robotics |

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|------|-----|-----|------------|---------------------|---|
| 1151 | CSE | 106 | Internship | Rishab Gupta | Web Development learning Project |
| 1152 | CSE | 106 | Internship | Rishabh Gurjar | Web Development |
| 1153 | CSE | 106 | Internship | Rishabh Sharma | Web Development Learning Project |
| 1154 | CSE | 106 | Internship | Rishi Chaturvedi | Machine learning with Python |
| 1155 | CSE | 106 | Internship | Ritam Sharma | Web development learning project |
| 1156 | CSE | 106 | Internship | Riya Gupta | web development |
| 1157 | CSE | 106 | Internship | Rohit Saini | web development learning project |
| 1158 | CSE | 106 | Internship | Roopam Agrawal | machine learning using python |
| 1159 | CSE | 106 | Internship | Ruchika Sharma | Web Development Learning Project |
| 1160 | CSE | 106 | Internship | Rudrakshi Malav | Web Development Learning Project |
| 1161 | CSE | 106 | Internship | Sagar Jain | web development learning project |
| 1162 | CSE | 106 | Internship | Sahil goyal | Web development Learning project |
| 1163 | CSE | 106 | Internship | Sahil Manyal | machine learning using python |
| 1164 | CSE | 106 | Internship | Sakshi Naruka | Embedded System and it's Applications using 8 bit-MCU |
| 1165 | CSE | 106 | Internship | Saloni Gupta | Web Development Learning Project |
| 1166 | CSE | 106 | Internship | Saloni Vijayvargiya | web development learning project |
| 1167 | CSE | 106 | Internship | Samarth Amara | Machine Learning Using Python |
| 1168 | CSE | 106 | Internship | Sameer Rungta | Web Development learning Project |
| 1169 | CSE | 106 | Internship | Samridhi Sharma | web development |
| 1170 | CSE | 106 | Internship | Sanskar Sharma | Machine learning with python |
| 1171 | CSE | 106 | Internship | Sanskriti Gupta | Machine learning with python |

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|------|-----|-----|------------|------------------------|----------------------------------|
| 1172 | CSE | 106 | Internship | sarthak jain | Machine learning with python |
| 1173 | CSE | 106 | Internship | Sarvesh Sharma | Machine Learning with Python |
| 1174 | CSE | 106 | Internship | Satvic Gupta | Machine learning with python |
| 1175 | CSE | 106 | Internship | Satyam Sitoliwal | Machine learning with python |
| 1176 | CSE | 106 | Internship | Saurav Kumar | Web Development Learning Project |
| 1177 | CSE | 106 | Internship | Shabir Hussain | C programming language |
| 1178 | CSE | 106 | Internship | Shivam Agarwal | Machine learning using python |
| 1179 | CSE | 106 | Internship | Shivam Somani | Machine Learning with Python |
| 1180 | CSE | 106 | Internship | Shruti Jain | web development learning project |
| 1181 | CSE | 106 | Internship | Shubh Gaur | Machine learning using python |
| 1182 | CSE | 106 | Internship | Shubham agarwal | Machine Learning Using Python |
| 1183 | CSE | 106 | Internship | Shubham Sharma | Python Programming learning |
| 1184 | CSE | 106 | Internship | Shubhangi Vijayvargiya | Machine Learning using python |
| 1185 | CSE | 106 | Internship | Siddhi Nahar | Machine learning with Python |
| 1186 | CSE | 106 | Internship | Sitaram Devanda | Cyber Security |
| 1187 | CSE | 106 | Internship | Sonali Vijayvargiya | Web Development learning Project |
| 1188 | CSE | 106 | Internship | Sonalika Sharma | Data analysis with Python |
| 1189 | CSE | 106 | Internship | Srashti Rawat | machine learning using python |
| 1190 | CSE | 106 | Internship | Srishti Sharma | Web Development |
| 1191 | CSE | 106 | Internship | Sudhanshu Somani | web development learning project |
| 1192 | CSE | 106 | Internship | sumit gupta | web development learning project |
| 1193 | CSE | 106 | Internship | Surbhi Mathur | Machine Learning using Python |

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|------|-----|-----|------------|----------------------|---|
| 1194 | CSE | 106 | Internship | Suthar Parth | web development learning project |
| 1195 | CSE | 106 | Internship | Tanushree Acharya | Web development using Django framework |
| 1196 | CSE | 106 | Internship | Tapan Dangi | Web development learning project |
| 1197 | CSE | 106 | Internship | Tushar Khandelwal | Web Development learning Project |
| 1198 | CSE | 106 | Internship | Urvi Rav | Machine learning with python |
| 1199 | CSE | 106 | Internship | Vaibhav Shivhare | Programming with Python |
| 1200 | CSE | 106 | Internship | Vaishnavi Maheshwari | Web development learning project |
| 1201 | CSE | 106 | Internship | Vansh Acharya | C programming language |
| 1202 | CSE | 106 | Internship | Vansh Kalra | C programming language |
| 1203 | CSE | 106 | Internship | Vanshika Jain | machine learning using python |
| 1204 | CSE | 106 | Internship | Varsha Jain | Machine learning with python |
| 1205 | CSE | 106 | Internship | Vicky Sharma | Web Development |
| 1206 | CSE | 106 | Internship | Vikash Kumar | Web Development |
| 1207 | CSE | 106 | Internship | vinayak jaimini | web development learning projects |
| 1208 | CSE | 106 | Internship | yash gangwal | python programming learning |
| 1209 | CSE | 106 | Internship | Yash Khandelwal | C++ |
| 1210 | CSE | 106 | Internship | Yashansh sharma | Web development |
| 1211 | CSE | 106 | Internship | Yashi Garg | Machine Learning using Python |
| 1212 | CSE | 106 | Internship | Yashpal Singh Jodha | java programming |
| 1213 | CSE | 106 | Internship | Yeril Baswana | Machine learning using python |
| 1214 | CSE | 106 | Internship | Yogesh Kumar | Machine Learning with Python |
| 1215 | CSE | 106 | Internship | Yukti Agarwal | Embedded System and it's Applications using 8 bit-MCU |

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|------|-----|-----|------------|---------------------|--|
| 1216 | CSE | 106 | Internship | Raghav Bhadada | Machine Learning with Python |
| 1217 | CSE | 106 | Internship | Aakash Ojha | Google Cloud Computing Foundation |
| 1218 | CSE | 106 | Internship | Aarushi Vashistha | Google Cloud Computing foundation, Azure cloud computing internship, IBM Skillbuild innovation camp |
| 1219 | CSE | 106 | Internship | Aayushi Agarwal | |
| 1220 | CSE | 106 | Internship | Abhi Khandelwal | ML and AI intern |
| 1221 | CSE | 106 | Internship | Abhinav Sharma | Python Developer Intern, GCP Engineer Intern @Sirpi, R&D Intern @GitHub, DevOps Intern @Zeeve Inc., DevOps Lead @Sinplay, Google Cloud Career Readiness Student Mentor |
| 1222 | CSE | 106 | Internship | Abhinav Siyal | Google Cloud Computing Foundation |
| 1223 | CSE | 106 | Internship | Abhishek Mittal | Google Cloud Computing Foundation |
| 1224 | CSE | 106 | Internship | Abhishek Sharma | Google Cloud Computing Foundation |
| 1225 | CSE | 106 | Internship | Adarsh Sharma | Google Cloud Computing Foundation |
| 1226 | CSE | 106 | Internship | Aditi Gupta | |
| 1227 | CSE | 106 | Internship | Aditya Khandelwal | MLOPS Internship |
| 1228 | CSE | 106 | internship | Aditya Kumar Sharma | |
| 1229 | CSE | 106 | Internship | Akhil Soni | Google Cloud Computing Foundation |
| 1230 | CSE | 106 | Internship | Akshat Sharma | |
| 1231 | CSE | 106 | Internship | Aman Jindal | Google Cloud Computing Foundation |

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|------|-----|-----|------------|----------------------|--|
| 1232 | CSE | 106 | Internship | Amit Goyal | Google Cloud Computing Foundation |
| 1233 | CSE | 106 | Internship | Amit Sharma | Google Cloud Computing Foundation |
| 1234 | CSE | 106 | Internship | Amit Tiwari | Google Cloud Computing Foundation |
| 1235 | CSE | 106 | Internship | Amit Upadhyay | Flutter Application development for Web, Android and IOS |
| 1236 | CSE | 106 | Internship | Ammar Bohra | Google Cloud Computing Foundations |
| 1237 | CSE | 106 | Internship | Anjali Rander | |
| 1238 | CSE | 106 | Internship | Ankush Chouhan | Google cloud computing foundation |
| 1239 | CSE | 106 | Internship | Anmol Vijayvergiya | ML and AI intern |
| 1240 | CSE | 106 | Internship | Anuj Naruka | Google Cloud |
| 1241 | CSE | 106 | Internship | Anurag Toshniwal | Data Analyst and ML-AI Internship |
| 1242 | CSE | 106 | Internship | Apeksh Agarwal | Hybrid Multi Cloud Training |
| 1243 | CSE | 106 | Internship | Arun Ahir | |
| 1244 | CSE | 106 | Internship | Ashish Garg | Google Cloud Computing Foundation |
| 1245 | CSE | 106 | Internship | Asif Khan Leelgar | Google cloud |
| 1246 | CSE | 106 | Internship | Avik Jain | Web Designing Internship |
| 1247 | CSE | 106 | Internship | Ayush Khandelwal | Google Cloud |
| 1248 | CSE | 106 | Internship | Ayush Maroo | Google Cloud |
| 1249 | CSE | 106 | Internship | Bhavika Shah | Google Cloud |
| 1250 | CSE | 106 | Internship | Bhavin Bansal | Google Cloud |
| 1251 | CSE | 106 | Internship | Chahat Bhandari | ML Internship |
| 1252 | CSE | 106 | Internship | Chhavi Ajmera | Google Cloud |
| 1253 | CSE | 106 | Internship | Chinmay Singh Panwar | Google cloud |
| 1254 | CSE | 106 | Internship | Chirag Jain | industrial training |
| 1255 | CSE | 106 | Internship | Chirag Rawat | Google Cloud |

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|------|-----|-----|------------|----------------------|---|
| 1256 | CSE | 106 | Internship | Chirag Singhal | Google Cloud |
| 1257 | CSE | 106 | Internship | Chirayu Jain | Google Cloud |
| 1258 | CSE | 106 | Internship | Darshan Jain | Google Cloud |
| 1259 | CSE | 106 | Internship | Dhruv Khandelwal | Google Cloud |
| 1260 | CSE | 106 | Internship | Divy Samdani | Web design galway art project |
| 1261 | CSE | 106 | Internship | Divya Jindal | Google Cloud |
| 1262 | CSE | 106 | Internship | Divyanshu Jain | Google cloud |
| 1263 | CSE | 106 | Internship | Gargee Maheshwari | |
| 1264 | CSE | 106 | Internship | Garvit Agarwal | google cloud computing foundation |
| 1265 | CSE | 106 | Internship | Goel Isha | Google Cloud |
| 1266 | CSE | 106 | Internship | Gourav Vijaywargiya | Google Cloud |
| 1267 | CSE | 106 | Internship | Harish Kumar | |
| 1268 | CSE | 106 | Internship | Harkirat Singh | |
| 1269 | CSE | 106 | Internship | Harsh Mehta | |
| 1270 | CSE | 106 | Internship | Harsh Vardhan Sharma | Google cloud |
| 1271 | CSE | 106 | Internship | Harshit Mantri | Data Analysis by Python |
| 1272 | CSE | 106 | Internship | Harshita Goyal | Google Cloud |
| 1273 | CSE | 106 | Internship | Himanshu Dhaka | Google cloud |
| 1274 | CSE | 106 | Internship | HIMANSHU SHARMA | Google Cloud Computing Foundation program |
| 1275 | CSE | 106 | Internship | HIREN BHAL | Software Developer Internship |
| 1276 | CSE | 106 | Internship | ISHITA GUPTA | Google Cloud Computing Foundation program |
| 1277 | CSE | 106 | Internship | JAHANVI AGRAWAL | Google Cloud Computing Foundation program |
| 1278 | CSE | 106 | Internship | JAI SHARMA | Google cloud computing foundation program |
| 1279 | CSE | 106 | Internship | JATIN JAIN | Google cloud computing foundation program |
| 1280 | CSE | 106 | Internship | JATIN SHARMA | google cloud computing foundation program |
| 1281 | CSE | 106 | Internship | JAYESH GUPTA | Machine Learning with Data Science |

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|------|-----|-----|------------|---------------------------|--|
| 1282 | CSE | 106 | Internship | KANWALPREET SINGH PENCII | google cloud computing foundation |
| 1283 | CSE | 106 | Internship | KAPIL DADHICH | Google Cloud Computing Foundation Program |
| 1284 | CSE | 106 | Internship | KARTIK CHANDNA | Google Cloud Computing Foundation Program |
| 1285 | CSE | 106 | Internship | KAUSTUBH SHRIVASTAVA | Google Cloud Computing Foundations Program |
| 1286 | CSE | 106 | Internship | KETAN JANGID | Google Cloud Computing Foundation |
| 1287 | CSE | 106 | Internship | KHUSHI GANDHI | Google Cloud Computing Foundations Program |
| 1288 | CSE | 106 | Internship | KHUSHI PALIWAL | Google Cloud Computing Foundations Program |
| 1289 | CSE | 106 | Internship | KRISHNPAL SINGH SHEKHAWAT | Google Cloud Computing Foundations Program |
| 1290 | CSE | 106 | Internship | KRIKKA GARG | Google cloud computing foundation program |
| 1291 | CSE | 106 | Internship | KUMAR KESHAV KASHYAP | Google Cloud Computing Foundation Program |
| 1292 | CSE | 106 | Internship | KUSHAL SINGHAL | Google Cloud Computing Foundations Program |
| 1293 | CSE | 106 | Internship | LAVKUSH BANSAL | Google Cloud Computing Foundations Program |
| 1294 | CSE | 106 | Internship | LAVNEESH RAJPUT | Google Cloud Computing Foundations Program |
| 1295 | CSE | 106 | Internship | MADHAVI RATHI | Google Cloud Computing Foundations Program |
| 1296 | CSE | 106 | Internship | MADHVENDRA SINGH | Google Cloud Computing Foundation Program |
| 1297 | CSE | 106 | Internship | MAHAVEER SONI | Google Cloud Computing Foundation Program |
| 1298 | CSE | 106 | Internship | MAHITA KHANDELWAL | Google cloud computing foundation |
| 1299 | CSE | 106 | Internship | MANJOT SINGH ANAND | Google Cloud Computing Foundations |

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|------|-----|-----|------------|-------------------|--|
| 1300 | CSE | 106 | Internship | MANSI SOMANI | Google Cloud Computing Foundations |
| 1301 | CSE | 106 | Internship | MANU BANSAL | Google cloud computing foundations program |
| 1302 | CSE | 106 | Internship | MAYANK SHARMA | Google Cloud Computing Foundations Program |
| 1303 | CSE | 106 | Internship | MEENAL AGARWAL | google Cloud computing foundation |
| 1304 | CSE | 106 | Internship | MOHAN CHANDAK | Google Cloud Computing Foundation Program |
| 1305 | CSE | 106 | Internship | MOHD SAHIL | Google Cloud Computing Foundations |
| 1306 | CSE | 106 | Internship | MONU | Google Cloud Computing Foundations |
| 1307 | CSE | 106 | Internship | MUHAFIZ RAZA | Google Cloud Computing Foundations |
| 1308 | CSE | 106 | Internship | NAMITA LAMBA | Artificial intelligence |
| 1309 | CSE | 106 | Internship | NANDINI JAIN | Google Cloud Computing Foundation |
| 1310 | CSE | 106 | Internship | NAVEEN SHARMA | google cloud computing foundation |
| 1311 | CSE | 106 | Internship | NEERAJ KUMAWAT | Google Cloud Computing Foundation |
| 1312 | CSE | 106 | Internship | NEHA AGARWAL | Google Cloud Computing Foundation |
| 1313 | CSE | 106 | Internship | NIHAR JAIN | Google cloud Computing Foundation |
| 1314 | CSE | 106 | Internship | NIKHIL GAUTAM | Google cloud Computing Foundation |
| 1315 | CSE | 106 | Internship | NIKITA VIJAY | Google cloud Computing Foundation |
| 1316 | CSE | 106 | Internship | PALAK AGRAWAL | Customer Segmentation |
| 1317 | CSE | 106 | Internship | PALASH GUPTA | Google cloud Computing Foundation |
| 1318 | CSE | 106 | Internship | PALLAV JAIN | Google Cloud Computing |
| 1319 | CSE | 106 | Internship | PARAS JAIN | Google Cloud Computing Foundations |
| 1320 | CSE | 106 | Internship | PARILAKSHY A PURI | google cloud computing foundations |
| 1321 | CSE | 106 | Internship | PARUL SAINI | Learn JavaScript |

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|------|-----|-----|------------|--------------------|------------------------------------|
| 1322 | CSE | 106 | Internship | PARV SHARMA | Google Cloud Computing Foundations |
| 1323 | CSE | 106 | Internship | PEEYUSH VARYANI | Google Cloud Computing Foundations |
| 1324 | CSE | 106 | Internship | PINGAKSH PAREEK | Google Cloud Computing Foundations |
| 1325 | CSE | 106 | Internship | PIYUSH AGARWAL | Google Cloud Computing Foundations |
| 1326 | CSE | 106 | Internship | PRAFUL JAIN | Google Cloud Computing Foundations |
| 1327 | CSE | 106 | Internship | PRAKHAR RAI | google cloud computing foundations |
| 1328 | CSE | 106 | Internship | PRANAV GUPTA | google cloud computing foundations |
| 1329 | CSE | 106 | Internship | PRATEEK MITTAL | Google cloud computing foundation |
| 1330 | CSE | 106 | Internship | PREKSHA SHARMA | Google cloud computing foundation |
| 1331 | CSE | 106 | Internship | PRISHA NAMA | Machine Learning |
| 1332 | CSE | 106 | Internship | PRIYA SHARMA | Google cloud computing foundation |
| 1333 | CSE | 106 | Internship | PULKIT BEGWANI | Google cloud computing foundation |
| 1334 | CSE | 106 | Internship | RAGHAV JHAWAR | Google Cloud Computing Foundation |
| 1335 | CSE | 106 | Internship | RAGHAVEND RA SINGH | Google Cloud Computing Foundation |
| 1336 | CSE | 106 | Internship | RAHUL MEHTA | Google Cloud Computing Foundations |
| 1337 | CSE | 106 | Internship | RAHUL RANJAN | Google Cloud Computing Foundation |
| 1338 | CSE | 106 | Internship | RAHUL TYAGI | Google Cloud computing foundation |
| 1339 | CSE | 106 | Internship | RASHMI GAUR | Google Cloud Computing Foundation |
| 1340 | CSE | 106 | Internship | RAVI KUMAR TAK | Google Cloud computing foundation |
| 1341 | CSE | 106 | Internship | RAVIRAJ SINGH INDA | Google Cloud computing foundation |
| 1342 | CSE | 106 | Internship | RIDHIRAJ SINGH | Android app development |
| 1343 | CSE | 106 | Internship | RISHABH AGARWAL | Google Cloud Computing Foundation |

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|------|-----|-----|------------|----------------------|--------------------------------------|
| 1344 | CSE | 106 | Internship | RISHABH SHARMA | Google Cloud Computing Foundation |
| 1345 | CSE | 106 | Internship | mukul palariya | Google cloud computing foundation |
| 1346 | CSE | 106 | Internship | RISHABH SINGH | GCCF training |
| 1347 | CSE | 106 | Internship | RITIK SINGHAL | GCCF training |
| 1348 | CSE | 106 | Internship | RITIKA GOYAL | GCCF training |
| 1349 | CSE | 106 | Internship | RIYA JAIN | |
| 1350 | CSE | 106 | Internship | ROHAN MATHUR | GCCF training |
| 1351 | CSE | 106 | Internship | ROHIT KUMAWAT | GCCF training |
| 1352 | CSE | 106 | Internship | ROHIT POONIA | GCCF Training |
| 1353 | CSE | 106 | Internship | RONIT JAIN | GCCF Training |
| 1354 | CSE | 106 | Internship | SAHID KHAN | GCCF Training |
| 1355 | CSE | 106 | Internship | SAKSHAM SHARMA | python Internship |
| 1356 | CSE | 106 | Internship | SAKSHI KABRA | |
| 1357 | CSE | 106 | Internship | SAMARTH GUPTA | GCCF training |
| 1358 | CSE | 106 | internship | SAMARTH PRATAP SINGH | Python training |
| 1359 | CSE | 106 | Internship | SAMKIT JAIN | |
| 1360 | CSE | 106 | Internship | SAMYAK M JAIN | |
| 1361 | CSE | 106 | Internship | SANKALP BRIJESH | GCCF training |
| 1362 | CSE | 106 | Internship | SAUMYA SHARMA | Internshala Web Development training |
| 1363 | CSE | 106 | Internship | SHEVIL MISTRY | GCCF Training |
| 1364 | CSE | 106 | Internship | SHIRISH JAIN | GCCF Training |
| 1365 | CSE | 106 | Internship | SHRIYANSH SAINI | GCCF |
| 1366 | CSE | 106 | Internship | SHRUTI DHANOPIYA | |

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|------|-----|-----|------------|--------------------|---------------------------------------|
| 1367 | CSE | 106 | Internship | SHUBHAM PANSARI | |
| 1368 | CSE | 106 | Internship | SHUBHAM SHARMA | |
| 1369 | CSE | 106 | Internship | SHWET GARG | GCCF training , NEO campus ambassador |
| 1370 | CSE | 106 | Internship | SIDHARTH SHARMA | |
| 1371 | CSE | 106 | Internship | SUBHAL GUPTA | GCCF Training |
| 1372 | CSE | 106 | Internship | TANISHQ KHANDELWAL | Web development using bootstrap |
| 1373 | CSE | 106 | Internship | TANUJ GAUTAM | |
| 1374 | CSE | 106 | Internship | TARUN SONI | GCCF |
| 1375 | CSE | 106 | Internship | TOSIF KHAN | |
| 1376 | CSE | 106 | Internship | UDIT KUMAR | GCCF Training |
| 1377 | CSE | 106 | Internship | UMANG SINGHAL | |
| 1378 | CSE | 106 | Internship | UMESH SONI | GCCF Training |
| 1379 | CSE | 106 | Internship | UTKARSH DUBEY | GCCF Training , GCR |
| 1380 | CSE | 106 | Internship | ISHIKA SONI | |
| 1381 | CSE | 106 | Internship | AMAN KHANDELWAL | |
| 1382 | CSE | 106 | Internship | DIVYANSHU SINGH | |
| 1383 | CSE | 106 | Internship | VARUN SONI | |
| 1384 | CSE | 106 | Internship | VASU GUPTA | |
| 1385 | CSE | 106 | internship | VIKALP CHATURVEDI | |
| 1386 | CSE | 106 | Internship | YASH BANSAL | |
| 1387 | CSE | 106 | Internship | YASH GUPTA | |
| 1388 | CSE | 106 | Internship | YASH NAGAR | |
| 1389 | CSE | 106 | Internship | YUGVI PALIWAL | |
| 1390 | CSE | 106 | Internship | AAKASH MALL | |

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|------|-----|-----|------------|-------------------------|-------------------------------------|
| 1391 | CSE | 106 | Internship | ANSHITA PARIHAR | |
| 1392 | CSE | 106 | Internship | APEKSHA PANDEY | |
| 1393 | CSE | 106 | Internship | AYUSH JOSHI | |
| 1394 | CSE | 106 | Internship | JATIN JANGIR | |
| 1395 | CSE | 106 | Internship | MITTAL SUTHAR | |
| 1396 | CSE | 106 | Internship | PRADEEP NARANIYA | |
| 1397 | CSE | 106 | Internship | PRATI KSHA SHARMA | |
| 1398 | CSE | 106 | Internship | VIJAY DADHICH | |
| 1399 | CSE | 106 | Internship | AASTHA CHHABRA | Cloud Computing Services |
| 1400 | CSE | 106 | Internship | AAYUSH SHARMA | Cloud Computing Services |
| 1401 | CSE | 106 | Internship | AAYUSHI JAIN | Cloud Computing Services |
| 1402 | CSE | 106 | Internship | AAYUSHI RHEA | Cloud Computing Services |
| 1403 | CSE | 106 | Internship | ADITYA BANSAL | Cloud Computing Services |
| 1404 | CSE | 106 | Internship | ANKIT GOYAL | Cloud Computing Services |
| 1405 | CSE | 106 | Internship | ANURAG | Cloud Computing Services |
| 1406 | CSE | 106 | Internship | ANUSHKA MAHESHWARI | Cloud Computing Services |
| 1407 | CSE | 106 | Internship | APOORVA SONI | |
| 1408 | CSE | 106 | Internship | ARPIT KAUSHIK | Cloud Computing Services |
| 1409 | CSE | 106 | Internship | DEEPAK AGRAWAL | Cloud Computing Services |
| 1410 | CSE | 106 | Internship | DHEERAJ KUMAR JHA | Cloud Computing Services |
| 1411 | CSE | 106 | Internship | DHRUV KUMAR MEENA | Jupyter notebook /ML, AI, Python |
| 1412 | CSE | 106 | internship | DIVYANSHU GARG | Cloud Computing Services |

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|------|-----|-----|------------|------------------------------------|--------------------------|
| 1413 | CSE | 106 | Internship | GAURAV JANGID | Cloud Computing Services |
| 1414 | CSE | 106 | Internship | GOUTAM SONI | |
| 1415 | CSE | 106 | Internship | HARDIK PUROHIT | |
| 1416 | CSE | 106 | Internship | HARSHIT TIWARI | Cloud Computing Services |
| 1417 | CSE | 106 | Internship | HARSHITA SINGH | Cloud Computing Services |
| 1418 | CSE | 106 | Internship | HARSHVARDH AN SINGH NATHAWAT | Cloud Computing Services |
| 1419 | CSE | 106 | Internship | HITESH SHARMA | Cloud Computing Services |
| 1420 | CSE | 106 | Internship | JANVI TIKKIWAL | |
| 1421 | CSE | 106 | Internship | JAVVAD QAMAR | |
| 1422 | CSE | 106 | Internship | KARTIK JAIN | Cloud Computing Services |
| 1423 | CSE | 106 | Internship | KESHAV PAREEK | |
| 1424 | CSE | 106 | Internship | KHUSHAL JAIN | Cloud Computing Services |
| 1425 | CSE | 106 | Internship | KHUSHAL JANGID | Cloud Computing Services |
| 1426 | CSE | 106 | Internship | KUNAL MEHTA | Cloud Computing Services |
| 1427 | CSE | 106 | Internship | LAKSHYA GAUR | Cloud Computing Services |
| 1428 | CSE | 106 | Internship | LAVESH MODI | Cloud Computing Services |
| 1429 | CSE | 106 | Internship | MANASVI JAIN | |
| 1430 | CSE | 106 | Internship | MILAN SHARMA | |
| 1431 | CSE | 106 | Internship | MOHIT SHARMA | |
| 1432 | CSE | 106 | Internship | NAMAN SANJAY BAGORA | |
| 1433 | CSE | 106 | Internship | NASIR KHAN | |

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|------|-----|-----|------------|------------------------|--------------------------|
| 1434 | CSE | 106 | Internship | NAVEEN AGRAWAL | Cloud Computing Services |
| 1435 | CSE | 106 | Internship | PRABHAT ANJANA | Cloud Computing Services |
| 1436 | CSE | 106 | Internship | PRANAY SHARMA | Cloud Computing Services |
| 1437 | CSE | 106 | Internship | PRIYAL BIYANI | Cloud Computing Services |
| 1438 | CSE | 106 | Internship | PULKIT TIWARI | |
| 1439 | CSE | 106 | Internship | RAHUL SHARMA | Cloud Computing Services |
| 1440 | CSE | 106 | Internship | RAJ SHARMA | Cloud Computing Services |
| 1441 | CSE | 106 | Internship | RITIK JAIN | Cloud Computing Services |
| 1442 | CSE | 106 | Internship | RITISH SINGHAL | |
| 1443 | CSE | 106 | Internship | ROHIT KASUMBIWAL | Cloud Computing Services |
| 1444 | CSE | 106 | Internship | SAAKSHI | Cloud Computing Services |
| 1445 | CSE | 106 | Internship | SACHIN SINGHAL | Cloud Computing Services |
| 1446 | CSE | 106 | Internship | SALONI SHARMA | Cloud Computing Services |
| 1447 | CSE | 106 | Internship | SAMPAN ACHARYA | Cloud Computing Services |
| 1448 | CSE | 106 | Internship | SHANTANU GAUR | Cloud Computing Services |
| 1449 | CSE | 106 | Internship | SHILPI JAIN | Cloud Computing Services |
| 1450 | CSE | 106 | Internship | SHUBHAM SONI | Cloud Computing Services |
| 1451 | CSE | 106 | Internship | SHUBHENDU SHEKHAR | Cloud Computing Services |
| 1452 | CSE | 106 | Internship | SOURABH SONI | Cloud Computing Services |
| 1453 | CSE | 106 | Internship | SWAYAM SINGH SINDAL | Cloud Computing Services |
| 1454 | CSE | 106 | Internship | TITHI MADAAN | Cloud Computing Services |
| 1455 | CSE | 106 | Internship | TUSHAR SHARMA | Cloud Computing Services |

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|------|-----|-----|------------|-----------------------------|-----------------------------------|
| 1456 | CSE | 106 | Internship | UTSAV RATNAVAT | Cloud Computing Services |
| 1457 | CSE | 106 | Internship | VIDHI AGARWAL | Cloud Computing Services |
| 1458 | CSE | 106 | Internship | VIPIN SHARMA | Cloud Computing Services |
| 1459 | CSE | 106 | Internship | YATEENDRA KUMAR GOYAL | Cloud Computing Services |
| 1460 | CSE | 106 | Internship | YUKTA GOYAL | Cloud Computing Services |
| 1461 | CSE | 106 | Internship | Akash Verma | Cloud Computing Services |
| 1462 | CSE | 106 | Internship | Kushal | Cloud Computing Services |
| 1463 | CSE | 106 | Internship | Mayank Sharma | Cloud Computing Services |
| 1464 | CSE | 106 | Internship | AASTHA AGARWAL | Machine Learning |
| 1465 | CSE | 106 | Internship | AAYUSHI BAHUKHANDI | Front End Web Development |
| 1466 | CSE | 106 | Internship | ABHISHEK RATHORE | Jenkins |
| 1467 | CSE | 106 | Internship | ADITI BIRLA | Python Development |
| 1468 | CSE | 106 | Internship | ADITYA BIRLA | Python Development |
| 1469 | CSE | 106 | Internship | ADITYA SHARMA | Jenkins |
| 1470 | CSE | 106 | Internship | ADITYA SHARMA | Chatbot development |
| 1471 | CSE | 106 | Internship | ADITYA SONI | Web development |
| 1472 | CSE | 106 | Internship | AKSHITA JAIN | Machine learning |
| 1473 | CSE | 106 | Internship | AMAN CHAURASIA | ML Software Development Intern |
| 1474 | CSE | 106 | Internship | AMAN JAIN | Machine learning |
| 1475 | CSE | 106 | Internship | AMAN SAXENA | Full Stack Development |
| 1476 | CSE | 106 | Internship | AMIT AGARWAL | Robotic Process Automation |
| 1477 | CSE | 106 | Internship | ANKIT KUMAR | front-end-Engineer |
| 1478 | CSE | 106 | Internship | ANUJ JAIN | backend development |
| 1479 | CSE | 106 | Internship | ANUJ KUMAR SINGHAL | Machine Learning |

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|------|-----|-----|------------|------------------------|--|
| 1480 | CSE | 106 | Internship | ANUJ MISHRA | Web development |
| 1481 | CSE | 106 | Internship | ANURAG SHARMA | Machine Learning, Core Java |
| 1482 | CSE | 106 | Internship | ARIN MANGAL | Front-End Developer Intern |
| 1483 | CSE | 106 | Internship | ARPIT JAIN | DevOps and Data engineer |
| 1484 | CSE | 106 | Internship | ARPITA AGARWAL | Full Stack Development |
| 1485 | CSE | 106 | Internship | ARYA KHANDELWAL | Software Development and Automation |
| 1486 | CSE | 106 | Internship | ARYAN KHANDELWAL | machine learning, business development |
| 1487 | CSE | 106 | Internship | ARYAN SHARMA | web development |
| 1488 | CSE | 106 | Internship | ASHISH KOCHAReww | Machine Learning |
| 1489 | CSE | 106 | internship | ASHISH MAHESHWARI | Front End Web Development |
| 1490 | CSE | 106 | Internship | ASIF KHAN | Machine Learning |
| 1491 | CSE | 106 | Internship | ATUL SISODIYA | Technical Content Writer |
| 1492 | CSE | 106 | Internship | AVINASH SONI | MERN Stack |
| 1493 | CSE | 106 | Internship | AYUSH JAIN | Machine Learning with Data Science |
| 1494 | CSE | 106 | Internship | AYUSHI SINGHAL | React development |
| 1495 | CSE | 106 | Internship | BHANESH KUMAR PALLIWAL | Full Stack Development (MERN) |
| 1496 | CSE | 106 | Internship | BHAVIKA JAIN | Web Development |
| 1497 | CSE | 106 | Internship | BHAVIKA MITTAL | Machine Learning |
| 1498 | CSE | 106 | Internship | BHUMIKA JAIN | Web Development |
| 1499 | CSE | 106 | Internship | CHIRAG ASAWA | |

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|------|-----|-----|------------|----------------------------|------------------------------------|
| 1500 | CSE | 106 | Internship | DANNY GUPTA | Mern Stack |
| 1501 | CSE | 106 | Internship | DEEPAK ARORA | Machine Learning |
| 1502 | CSE | 106 | Internship | DEEPANKAR RAJ | FRONT-END DEGIN |
| 1503 | CSE | 106 | Internship | DEEPANSH GUPTA | DevOps |
| 1504 | CSE | 106 | Internship | DEEPESH KUMAR DHAKER | Foundations of AI |
| 1505 | CSE | 106 | Internship | DEV KUMAR SHARMA | Python Programming |
| 1506 | CSE | 106 | Internship | DHARMVATS AL SINGH CHOUHAN | Full Stack Development |
| 1507 | CSE | 106 | Internship | DHURV LADDHA | Dta science, and analysis |
| 1508 | CSE | 106 | Internship | DISHA JAIN | Machine Learning with Data Science |
| 1509 | CSE | 106 | Internship | DIVYANSH KUMAR JANGIR | Front End Web Development |
| 1510 | CSE | 106 | Internship | FARHAN ALI | Python Programming |
| 1511 | CSE | 106 | Internship | GARVIT KHANDELWAL | Full Stack Development |
| 1512 | CSE | 106 | Internship | GARVIT MALPANI | Machine Learning |
| 1513 | CSE | 106 | Internship | GAURAV SAHU | Machine Learning |
| 1514 | CSE | 106 | Internship | GAURAV SINGH SHEKHAWAT | Automation with Ansible – Devops |
| 1515 | CSE | 106 | Internship | GIRISH YADAV | Automation with Ansible – Devops |
| 1516 | CSE | 106 | Internship | HAPPY KHANDELWAL | Cyber Security |
| 1517 | CSE | 106 | Internship | HARASIS SINGH | MLOPS |

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|------|-----|-----|------------|---------------------------|---|
| 1518 | CSE | 106 | Internship | HARSH VARDHAN | React Web Development |
| 1519 | CSE | 106 | Internship | HARSH VERMA | Django development |
| 1520 | CSE | 106 | Internship | HARSHIT SHARMA | Jenkins |
| 1521 | CSE | 106 | Internship | HARSHITA AGARWAL | Python for Data Science and Machine Learning Bootcamp |
| 1522 | CSE | 106 | Internship | HERIT SHAH | machine learning |
| 1523 | CSE | 106 | Internship | HIMANSHI KABRA | Kubernetes |
| 1524 | CSE | 106 | Internship | HIMANSHU GUPTA | web development |
| 1525 | CSE | 106 | Internship | HIMANSHU KUMAR SINGH | |
| 1526 | CSE | 106 | Internship | HITEN SAMBHWANI | Front end developer |
| 1527 | CSE | 106 | Internship | INDRAJEET SINGH SHEKHAWAT | Blockchain |
| 1528 | CSE | 106 | Internship | ISHA SHARMA | Artificial intelligence |
| 1529 | CSE | 106 | Internship | HARSHITA CHAUDHARY | Data analytics |
| 1530 | CSE | 106 | Internship | ISHAN KAPOOR | RHCSA8 |
| 1531 | CSE | 106 | Internship | ISHITA JAIN | Full Stack Web Development Program |
| 1532 | CSE | 106 | Internship | ISHITA TIWARI | Full Stack Web Development |
| 1533 | CSE | 106 | Internship | JALESH KHATRI | Full Stack Web Development |
| 1534 | CSE | 106 | internship | JAYANA SOLANKI | Machine learning |
| 1535 | CSE | 106 | Internship | JYOTI AGARWAL | Cyberops Infosec Specialist |
| 1536 | CSE | 106 | Internship | JYOTI SINGHAL | Full Stack Web Development |
| 1537 | CSE | 106 | Internship | KANCHAN JESWANI | Web development with Django |



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|------|-----|-----|------------|---------------------------|---------------------------------------|
| 1538 | CSE | 106 | Internship | KANISHK PARTH YADAV | Python |
| 1539 | CSE | 106 | Internship | KAPIL GARG | React JS intern |
| 1540 | CSE | 106 | Internship | KARTIK JOSHI | web development |
| 1541 | CSE | 106 | Internship | KHUSHI SINGHAL | Django |
| 1542 | CSE | 106 | Internship | KRATI MITRA | Machine Learning |
| 1543 | CSE | 106 | Internship | KRATIK KHANDELWA L | Flutter with Dart |
| 1544 | CSE | 106 | Internship | KRISH MANTRI | web development |
| 1545 | CSE | 106 | Internship | KUNIKA MATOLIYA | Machine learning with python |
| 1546 | CSE | 106 | Internship | LAKSHYA SHARMA | core java |
| 1547 | CSE | 106 | Internship | LOKESH MUNDRA | data science & Business Analytics |
| 1548 | CSE | 106 | Internship | MAITRI BANSAL | Machine Learning with data science |
| 1549 | CSE | 106 | Internship | MANAN SHARMA | Full Stack Web Development |
| 1550 | CSE | 106 | Internship | MANIK GUPTA | Full Stack Web Development |
| 1551 | CSE | 106 | Internship | MEENAL AGARWAL | core java |
| 1552 | CSE | 106 | Internship | MEERA AGRAWAL | Machine Learning |
| 1553 | CSE | 106 | Internship | MEHUL JAIN | Machine Learning |
| 1554 | CSE | 106 | Internship | MOHAMMAD AASIF MALIK | Ethical Hacking |
| 1555 | CSE | 106 | Internship | MOHIT SHARMA | Machine Learning with python |
| 1556 | CSE | 106 | Internship | MUDIT AGRAWAL | Machine Learning |
| 1557 | CSE | 106 | Internship | MUKUND MALOO | machine learning using python |
| 1558 | CSE | 106 | Internship | MUSKAN BHALAWAT | digital marketing |

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|------|-----|-----|------------|---------------------|---------------------------|
| 1559 | CSE | 106 | internship | MUSKAN MAHESHWARI | Core Java |
| 1560 | CSE | 106 | Internship | NALIN GOYAL | HTML , CSS , Bootstrap |
| 1561 | CSE | 106 | Internship | NAMAN JAIN | Machine Learning |
| 1562 | CSE | 106 | Internship | NAMAN JOSHI | data science |
| 1563 | CSE | 106 | Internship | NANDINI SINGH | Data analytics |
| 1564 | CSE | 106 | Internship | NAVEEN SINGHAL | Python |
| 1565 | CSE | 106 | Internship | NEHA PRAJAPATI | Deep Learning |
| 1566 | CSE | 106 | Internship | NIKHIL GARG | Machine Learning |
| 1567 | CSE | 106 | Internship | NIKHIL GUPTA | Machine Learning |
| 1568 | CSE | 106 | Internship | NISHKARSH SHARMA | 3D modeling and animation |
| 1569 | CSE | 106 | Internship | NISHTHA GARG | Web Development |
| 1570 | CSE | 106 | Internship | NITIN KHANDELWAL | Data Analytics |
| 1571 | CSE | 106 | Internship | NITIN KUMAR SAHU | web development |
| 1572 | CSE | 106 | Internship | NITIN MATHUR | ui ux design |
| 1573 | CSE | 106 | Internship | NUPUR SOGANI | Data Analytics |
| 1574 | CSE | 106 | Internship | PANKAJ SAINI | Machine Learning |
| 1575 | CSE | 106 | Internship | PAWAN KR BALDEWA | Data analytics |
| 1576 | CSE | 106 | Internship | POORVI AGARWAL | Python |
| 1577 | CSE | 106 | Internship | PRACHEER KHANDELWAL | React.js |
| 1578 | CSE | 106 | Internship | PRACHI MUTHA | Front end developer |
| 1579 | CSE | 106 | Internship | PRASHANT MALAV | web development |
| 1580 | CSE | 106 | Internship | PRIYANSHU KUMAR | Front end engineer |

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|------|-----|-----|------------|-------------------------|------------------------------------|
| 1581 | CSE | 106 | Internship | PULKIT AGARWAL | Python |
| 1582 | CSE | 106 | Internship | PUNEET BHARGAVA | machine learning with data science |
| 1583 | CSE | 106 | Internship | PUNISH AGARWAL | UI Design and Development |
| 1584 | CSE | 106 | internship | PUSHPENDRA SINGH GURJAR | machine learning with DS |
| 1585 | CSE | 106 | Internship | RADHIKA KANSAL | artificial intelligence |
| 1586 | CSE | 106 | Internship | RAHUL JAIN | Kubernetes |
| 1587 | CSE | 106 | Internship | RAHUL MUNDRA | machine learning |
| 1588 | CSE | 106 | Internship | RAHUL SOLANKI | Machine learning |
| 1589 | CSE | 106 | Internship | RAJAT BANSAL | machine learning |
| 1590 | CSE | 106 | Internship | RAJAT PANDEY | Android Development |
| 1591 | CSE | 106 | Internship | RAJAT PATHAK | Full Stack Web Development |
| 1592 | CSE | 106 | Internship | RAUNAK KUMAR | web development |
| 1593 | CSE | 106 | Internship | RISHABH AGRAWAL | Machine Learning |
| 1594 | CSE | 106 | Internship | RIDDHI JAIN | flutter intern |
| 1595 | CSE | 106 | Internship | RISHABH JAIN | Web Developer |
| 1596 | CSE | 106 | Internship | RITIKA AGARWAL | Core Java |
| 1597 | CSE | 106 | Internship | RIYA DHAKED | Web Development |
| 1598 | CSE | 106 | Internship | RIYA KHANDELWAL | Machine Learning |
| 1599 | CSE | 106 | Internship | ROHAN DHAR | Node Js |
| 1600 | CSE | 106 | Internship | ROHIT JOSEPH | Machine Learning |
| 1601 | CSE | 106 | Internship | RONAK JAIN | Machine Learning |
| 1602 | CSE | 106 | Internship | SAHIL KHAN | Digital Marketing |
| 1603 | CSE | 106 | Internship | SAKSHYA GARG | Machine Learning |

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|------|-----|-----|------------|--------------------|------------------------------|
| 1604 | CSE | 106 | Internship | SAMRIDHI JAIN | Machine Learning |
| 1605 | CSE | 106 | Internship | SAMYAK JAIN | Programming with Python |
| 1606 | CSE | 106 | Internship | SANDEEP SHARMA | |
| 1607 | CSE | 106 | Internship | SANYAM JAIN | Machine Learning |
| 1608 | CSE | 106 | Internship | SARTHAK BAGHERWAL | Machine Learning |
| 1609 | CSE | 106 | Internship | SARTHAK JAIN | Data Science Intern |
| 1610 | CSE | 106 | Internship | SHALU JANGID | cloud computing |
| 1611 | CSE | 106 | Internship | SHASHWAT JAIN | Machine Learning |
| 1612 | CSE | 106 | internship | SHEEZAN AHMAD WANI | |
| 1613 | CSE | 106 | Internship | SHOAIB KHAN | Digital Marketing |
| 1614 | CSE | 106 | Internship | SHOAIB KHAN | React Development |
| 1615 | CSE | 106 | Internship | SHREYA JAIN | Machine Learning |
| 1616 | CSE | 106 | Internship | SHRUTI AGARWAL | Machine learning |
| 1617 | CSE | 106 | Internship | SHRUTI JAIN | Machine learning |
| 1618 | CSE | 106 | Internship | SHUBH GUPTA | machine learning |
| 1619 | CSE | 106 | Internship | SHUBHAM AGARWAL | Advance Java |
| 1620 | CSE | 106 | Internship | SHUBHAM BHARGAVA | data engineering over cloud |
| 1621 | CSE | 106 | Internship | SHUBHAM GUPTA | Terraform and Cloud |
| 1622 | CSE | 106 | Internship | SHUBHAM JAIN | backend and data engineering |
| 1623 | CSE | 106 | Internship | SIDDHARTH LODHA | RHCSA8 with Python 3 |
| 1624 | CSE | 106 | Internship | SONU KUMAR JHA | Node js |
| 1625 | CSE | 106 | Internship | SUMIT NITHARWAL | |
| 1626 | CSE | 106 | Internship | SURAJ BANSAL | Natural Language Processing |
| 1627 | CSE | 106 | Internship | TANISHA AGRAWAL | c & c++ Programming |

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|------|-----|-----|------------|---------------------|---|
| 1628 | CSE | 106 | Internship | TANISHQ GUPTA | front end |
| 1629 | CSE | 106 | Internship | TANMAY SHARMA | Flutter Developer Intern |
| 1630 | CSE | 106 | Internship | TILAK VIJAYVARGIY A | creating multi task model with keras |
| 1631 | CSE | 106 | Internship | TUSHAR JAIN | machine learning |
| 1632 | CSE | 106 | Internship | TUSHAR SHARMA | Machine Learning and AI |
| 1633 | CSE | 106 | Internship | VAIBHAV AGARWAL | Machine Learning |
| 1634 | CSE | 106 | Internship | VAIBHAV JAIN | data engineering over cloud computing with devops |
| 1635 | CSE | 106 | Internship | VAIBHAV MATHUR | Introduction to cloud |
| 1636 | CSE | 106 | Internship | VAIBHAV SHARMA | Java Bootcamp with Spring |
| 1637 | CSE | 106 | Internship | VANSH KALRA | |
| 1638 | CSE | 106 | internship | VARSHA KESNANI | Data Analytics- IBM Bootcamp |
| 1639 | CSE | 106 | Internship | VARTIKA AGRAWAL | react development |
| 1640 | CSE | 106 | Internship | VILSI JAIN | |
| 1641 | CSE | 106 | Internship | VINAY SARAF | data engineering over cloud computing with devops |
| 1642 | CSE | 106 | Internship | VINAY SHARMA | |
| 1643 | CSE | 106 | Internship | VIPUL GOYAL | full stack development |
| 1644 | CSE | 106 | Internship | VISHAL KUMAR | Multi Hybrid Cloud |
| 1645 | CSE | 106 | Internship | YASH PAREEK | |
| 1646 | CSE | 106 | Internship | YASH SHARMA | Machine Learning |
| 1647 | CSE | 106 | Internship | YASH TANDON | data engineering |
| 1648 | CSE | 106 | Internship | YASHIKA KHANDELWAL | |

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|------|-----|-----|------------|--------------------|---|
| 1649 | CSE | 106 | Internship | ISHIKA NAGAR | SEO Internship |
| 1650 | CSE | 106 | Internship | MANISH KUMAR | data engineering over cloud computing with devops |
| 1651 | CSE | 106 | Internship | AANCHAL BANSAL | Python Programming |
| 1652 | CSE | 106 | Internship | VINIT JAIN | Machine Learning |
| 1653 | CSE | 106 | Internship | MRIDUL MITTAL | Machine Learning |
| 1654 | CSE | 106 | Internship | PAVINI GARG | Machine Learning |
| 1655 | CSE | 106 | Internship | ADITYA BHARDWAJ | Machine learning |
| 1656 | CSE | 106 | Internship | ASHUTOSH BHATNAGAR | |
| 1657 | CSE | 106 | Internship | DAKSH JANGID | Cloud Engineering & Devops |
| 1658 | CSE | 106 | Internship | LAKSHITA SHARMA | Machine Learning |
| 1659 | CSE | 106 | Internship | NISCHAY KUMAR JAIN | Artificial Intelligence |
| 1660 | CSE | 106 | Internship | AARZOO SALUJA | Machine learning |
| 1661 | CSE | 106 | Internship | AAYUSH TIWARI | Machine Learning |
| 1662 | CSE | 106 | Internship | ABHISHEK DUDHANI | web development |
| 1663 | CSE | 106 | internship | ABHISHEK SAHU | Full Stack Web Development |
| 1664 | CSE | 106 | Internship | AGAM JAIN | Web Development |
| 1665 | CSE | 106 | Internship | AKASH SINGH | Web Development |
| 1666 | CSE | 106 | Internship | AKSHAT KHANDELWAL | Ecommerce Store Review Text Classification |
| 1667 | CSE | 106 | Internship | AMIT AGARWAL | Web Development |
| 1668 | CSE | 106 | Internship | AMIT GUPTA | Funnel Developer & Automations |
| 1669 | CSE | 106 | Internship | ANANY GARG | Data Analytics - Power BI |
| 1670 | CSE | 106 | Internship | ANKIT SINGHAL | Machine learning |



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| 1671 | CSE | 106 | Internship | ANMOL RANJAN | Machine learning |
| 1672 | CSE | 106 | Internship | ANSHUL SINGH SISODIA | Data Engineering over cloud / User Experience |
| 1673 | CSE | 106 | Internship | ANUJ KHANDELWA L | Android App Development |
| 1674 | CSE | 106 | Internship | ARNAV NAGAYECH | MLops |
| 1675 | CSE | 106 | Internship | ASHUTOSH VYAS | |
| 1676 | CSE | 106 | Internship | ATUL SINGH YADAV | Machine Learning |
| 1677 | CSE | 106 | Internship | AVINASH SHRANGEE | data structure and algo |
| 1678 | CSE | 106 | Internship | CHARCHIT NIRAYANWAL | |
| 1679 | CSE | 106 | Internship | CHARIL AMBEY SAINI | |
| 1680 | CSE | 106 | Internship | CHIRAG NAGAR | machine learning |
| 1681 | CSE | 106 | Internship | DEVENDRA SHARMA | machine learning |
| 1682 | CSE | 106 | Internship | ISHWAR SINGH SHEKHAWAT | web design |
| 1683 | CSE | 106 | Internship | JAYDEEP PAREEK | Android app development |
| 1684 | CSE | 106 | Internship | KANIKA KUMAWAT | Ethical Hacking |
| 1685 | CSE | 106 | Internship | KARAN KHANDELWA L | Web Development |
| 1686 | CSE | 106 | internship | KARTIK BHATIA | Machine Learning |
| 1687 | CSE | 106 | Internship | KRITIK YADAV | |
| 1688 | CSE | 106 | Internship | MANAN GUPTA | Web Development |
| 1689 | CSE | 106 | Internship | MANTHAN GOUR | Full-Stack Development |

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|------|-----|-----|------------|---------------------|---|
| 1690 | CSE | 106 | Internship | MAYANK SHARMA | Web Development |
| 1691 | CSE | 106 | Internship | MEHUL KULSHRESTH A | Machine Learning and Data Science |
| 1692 | CSE | 106 | Internship | NISHTHA MAHESHWARI | React |
| 1693 | CSE | 106 | Internship | NITISH SONI | Web Development |
| 1694 | CSE | 106 | Internship | PARAG DUTT SHARMA | |
| 1695 | CSE | 106 | Internship | PARTH SHARMA | Mlops |
| 1696 | CSE | 106 | Internship | PRABHDEEP SINGH | machine learning |
| 1697 | CSE | 106 | Internship | PRAGYA VITTHAL | basic python |
| 1698 | CSE | 106 | Internship | PRATHAM PAREEK | web development |
| 1699 | CSE | 106 | Internship | PRYAS JAIN | Machine learning with Techinest Pvt. Ltd. |
| 1700 | CSE | 106 | Internship | PUNEET GOYAL | Machine Learning with Data Science |
| 1701 | CSE | 106 | Internship | RAVI JANGID | machine learning with data science |
| 1702 | CSE | 106 | Internship | RITIK CHOPRA | web development |
| 1703 | CSE | 106 | Internship | RITIK SALUJA | web development |
| 1704 | CSE | 106 | Internship | ROUNAK GARG | |
| 1705 | CSE | 106 | Internship | SANCHIT GUPTA | Front-end web developer |
| 1706 | CSE | 106 | Internship | SARANSH PAREEK | Data Science |
| 1707 | CSE | 106 | Internship | SHIVANSH DEEDWANIYA | Machine Learning |
| 1708 | CSE | 106 | Internship | SHUBHAM BHARDWAJ | Automation with Ansible: Devops |
| 1709 | CSE | 106 | Internship | SHYAM SUNDER GARG | python |
| 1710 | CSE | 106 | Internship | SIDDHARTH KAVADIA | Machine Learning with Data Science |

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|------|-----|-----|------------|--------------------|---|
| 1711 | CSE | 106 | Internship | SIDDHARTH SINGHVI | Machine learning |
| 1712 | CSE | 106 | Internship | SPARSH KHANDELWAL | Software developer-intern |
| 1713 | CSE | 106 | Internship | TAMANNA MAHNOT | Machine learning with techinest pvt. Ltd. |
| 1714 | CSE | 106 | Internship | VEDANSH MATOLIYA | Machine Learning with Data Science |
| 1715 | CSE | 106 | Internship | YASH LATH | Front-end web developer |
| 1716 | CSE | 106 | Internship | YASH SHARMA | Ethical Hacking |
| 1717 | EE | 107 | Internship | Aarif Khan Pathan | Embedded systems |
| 1718 | EE | 107 | Internship | Abhishek Pahadiya | Embedded systems and IoT |
| 1719 | EE | 107 | Internship | Abhishek Raghav | Embedded System and IOT |
| 1720 | EE | 107 | Internship | Abhishek Sharma | Embedded systems and IoT |
| 1721 | EE | 107 | Internship | Abhishek Shukla | Embedded system |
| 1722 | EE | 107 | Internship | Akshat sankhla | Embeded system |
| 1723 | EE | 107 | Internship | AMAN KUMAR TRIVEDI | EMBEDDED SYSTEM AND IOT |
| 1724 | EE | 107 | Internship | Aman Meena | Embedded systems |
| 1725 | EE | 107 | Internship | Aman Yogi | Embedded System & IoT |
| 1726 | EE | 107 | Internship | AMIT KUMAR | EMBEDDED SYSTEM AND IOT |
| 1727 | EE | 107 | Internship | Amrendra kumar | Embedded systems and IOT |
| 1728 | EE | 107 | Internship | Ankit Soni | Embedded system and IoT |
| 1729 | EE | 107 | Internship | Ankita Chauhan | Embedded system and IoT |
| 1730 | EE | 107 | Internship | Anurag Goyal | Embedded Systems and IoT |
| 1731 | EE | 107 | Internship | Arpit Sharma | Basics of Ethical hacking |
| 1732 | EE | 107 | Internship | Ashish Gupta | Embedded system and IOT |
| 1733 | EE | 107 | Internship | Ashish Suman | Embedded and iot |
| 1734 | EE | 107 | Internship | Chinmay Kerwal | Ethical hacking |

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|------|----|-----|------------|-------------------------|--------------------------|
| 1735 | EE | 107 | Internship | Chinmay Kerwal | Ethical hacking |
| 1736 | EE | 107 | Internship | Chirag poriwar | Embedded systems |
| 1737 | EE | 107 | Internship | Chirag poriwar | Embedded systems and IOT |
| 1738 | EE | 107 | Internship | Deepanshu Agarwal | Coding |
| 1739 | EE | 107 | Internship | Deependra singh Rajawat | Embedded systems |
| 1740 | EE | 107 | Internship | Deepesh Kumar Koli | Embedded systems |
| 1741 | EE | 107 | Internship | Divyanshu sharma | Python |
| 1742 | EE | 107 | Internship | Divyanshu sharma | Python |
| 1743 | EE | 107 | Internship | Divyanshu sharma | Python |
| 1744 | EE | 107 | Internship | Diya Porwal | MATLAB |
| 1745 | EE | 107 | Internship | Diya Porwal | Cybersecurity and Matlab |
| 1746 | EE | 107 | Internship | Gaurav Shakya | Embedded System and IoT |
| 1747 | EE | 107 | Internship | Gaurav Singh | Embedded System and IoT |
| 1748 | EE | 107 | Internship | Harsh bhadauriya | Python |
| 1749 | EE | 107 | Internship | Harshit Agarwal | Python Programming |
| 1750 | EE | 107 | Internship | Harshit Agarwal | Python |
| 1751 | EE | 107 | Internship | Himanshu khandelwal | Embedded system and iot |
| 1752 | EE | 107 | Internship | Himanshu sharma | Python |
| 1753 | EE | 107 | Internship | Ishita Gupta | Matlab |
| 1754 | EE | 107 | Internship | Ishita Gupta | Coding |
| 1755 | EE | 107 | Internship | Jaswant mahawar | Embedded System and IoT |
| 1756 | EE | 107 | Internship | Kuldeep pareta | Embedded System and IoT |
| 1757 | EE | 107 | Internship | Kunal mittal | Transformer |
| 1758 | EE | 107 | Internship | Kunal Sharma | Embedded System & IoT |
| 1759 | EE | 107 | Internship | Kushal Kanungo | Embedded Systems and IOT |

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|------|----|-----|------------|----------------------------|-------------------------------|
| 1760 | EE | 107 | Internship | Lakhan sharma | Embedded system and IOT |
| 1761 | EE | 107 | Internship | Lakhan sharma | Embedded system and IOT |
| 1762 | EE | 107 | Internship | Madan Mohan Pathak | Embedded System and IOT |
| 1763 | EE | 107 | Internship | Mahendra kumar | Embedded system |
| 1764 | EE | 107 | Internship | Mahi Tak | Embedded system and IOT |
| 1765 | EE | 107 | Internship | Manan sharma | Kota |
| 1766 | EE | 107 | Internship | Manan Sharma | Jaipur |
| 1767 | EE | 107 | Internship | Marut Sharma | Grid sub station |
| 1768 | EE | 107 | Internship | Milan Pareta | Embedded System and IoT |
| 1769 | EE | 107 | Internship | Milan Pareta | Embedded system and IoT |
| 1770 | EE | 107 | Internship | Mohit sharma | Social media marketing |
| 1771 | EE | 107 | Internship | Mohit sharma | Social media marketing intern |
| 1772 | EE | 107 | Internship | Mohit sharma | Brand associatie intern |
| 1773 | EE | 107 | Internship | Mohit sharma | Social media Marketing |
| 1774 | EE | 107 | Internship | Monik Kumar Jain | Embedded systems |
| 1775 | EE | 107 | Internship | Nikhil Sharma | Embedded system |
| 1776 | EE | 107 | Internship | Nishant Gautam | Googel |
| 1777 | EE | 107 | Internship | Nitin Kumawat | Embedded System and IoT |
| 1778 | EE | 107 | Internship | Pareekshit Singh Khangarot | Embedded System and IoT |
| 1779 | EE | 107 | Internship | Parul Yadav | Embedded System and IoT |
| 1780 | EE | 107 | Internship | Pawan Kumar dhabhai | Embedded system and iot |
| 1781 | EE | 107 | Internship | Payal Chouhan | Embedded Systems and IOT |
| 1782 | EE | 107 | Internship | Pranjul sharma | Embedded system and iot |
| 1783 | EE | 107 | Internship | PRATEEK SONI | Angular Coding Internship |
| 1784 | EE | 107 | Internship | Prateek Soni | Web development |
| 1785 | EE | 107 | Internship | Priyanka Bhati | Embedded System and IOT |

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|------|----|-----|------------|---------------------|------------------------------------|
| 1786 | EE | 107 | Internship | Priyansh Saini | Data Analysis with Python |
| 1787 | EE | 107 | Internship | Priyansh Saini | Data Analysis |
| 1788 | EE | 107 | Internship | RACHIT KARAD | Embedded system and IoT |
| 1789 | EE | 107 | Internship | Rahul kumar meena | IOT |
| 1790 | EE | 107 | Internship | Rahul Kumar Meena | Internet of things (IOT) |
| 1791 | EE | 107 | Internship | Rajveer Singh | Machine Learning |
| 1792 | EE | 107 | Internship | Ravi Kumar swami | Embedded system & IOT |
| 1793 | EE | 107 | Internship | Ravi meena | Internet of things |
| 1794 | EE | 107 | Internship | Ravi Meena | IOT |
| 1795 | EE | 107 | Internship | Rishi Kumar Pareek | Angular Coding Internship |
| 1796 | EE | 107 | Internship | Rishi kumar pareek | Web development |
| 1797 | EE | 107 | Internship | Ronak Sharma | Embedded system and IOT (UPFLAIRS) |
| 1798 | EE | 107 | Internship | Sameeksha gunee | IOT |
| 1799 | EE | 107 | Internship | Sanjay kaswan | Embedded system and iot |
| 1800 | EE | 107 | Internship | Sanjay Kumar Bairwa | IOT |
| 1801 | EE | 107 | Internship | Sarthak Joshi | Embedded Systems |
| 1802 | EE | 107 | Internship | Shalini Fatehpuriya | Embedded System |
| 1803 | EE | 107 | Internship | Sudhanshu Choursiya | Jaipur |
| 1804 | EE | 107 | Internship | Sudhanshu Choursiya | Jaipur |
| 1805 | EE | 107 | Internship | Sumit Barolia | Embedded systems in JECRC campus |
| 1806 | EE | 107 | Internship | Surbhit khandelwal | Cloud computing |
| 1807 | EE | 107 | Internship | Tanuj Rawat | Digital marketing |
| 1808 | EE | 107 | Internship | Tanuj Rawat | Google digital marketing |
| 1809 | EE | 107 | Internship | Tanuj Rawat | Google digital unlocked |

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|------|----|-----|------------|-------------------|--|
| 1810 | EE | 107 | Internship | vivek shyara | google cloud computing fundamentals , iot introduction |
| 1811 | EE | 107 | Internship | vivek shyara | Google Cloud Computing Foundations |
| 1812 | EE | 107 | Internship | Vyom Pundhir | Embedded Systems |
| 1813 | EE | 107 | Internship | Yashvant Jangid | Embedded system |
| 1814 | EE | 107 | Internship | YUKTI CHOUDHARY | COLLEGE CAMPUS , JAIPUR RAILWAY STATION |
| 1815 | EE | 107 | Internship | Yuvraj singh gour | Embedded systems |
| 1816 | EE | 107 | Internship | Akash jain | Robotics |
| 1817 | EE | 107 | Internship | Akshay Choudhary | Python programming |
| 1818 | EE | 107 | Internship | Aman Shrivastava | AutoCAD Electrical |
| 1819 | EE | 107 | Internship | Anish jain | IOT |
| 1820 | EE | 107 | Internship | Anshuman Sharma | Internet of things |
| 1821 | EE | 107 | Internship | Anurag Bohara | Automobile manufacturer and repair works |
| 1822 | EE | 107 | Internship | Anushka Dubey | IOT |
| 1823 | EE | 107 | Internship | Arjun Sharma | Python Programming |
| 1824 | EE | 107 | internship | Arpan Nyati | Introduction to Git and Github |
| 1825 | EE | 107 | Internship | Arpit Jain | Internet of Things |
| 1826 | EE | 107 | Internship | Ashwin sharma | Python for data science & Ai |
| 1827 | EE | 107 | Internship | Ayush Aswal | IOT |
| 1828 | EE | 107 | Internship | Bhanu swarnkar | Internet of things |
| 1829 | EE | 107 | Internship | BHUPESH Goyal | IoT |
| 1830 | EE | 107 | Internship | Chirag Sharma | IOT& Embedded system upflairs |
| 1831 | EE | 107 | Internship | Dipendra chhaba | Solar plant installation |
| 1832 | EE | 107 | Internship | Gaurang Pareek | Raspberry pi |
| 1833 | EE | 107 | Internship | Gautam Kumar | Internet of Things |
| 1834 | EE | 107 | Internship | Gourav Sharma | IOT |

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|------|----|-----|------------|----------------------|---|
| 1835 | EE | 107 | Internship | Govinda jadam | Python programming language |
| 1836 | EE | 107 | Internship | Harshit Jain | IOT |
| 1837 | EE | 107 | Internship | Harshit Tiwari | Enabling Technologies For Electrical Transportation |
| 1838 | EE | 107 | Internship | Himanshu sen | IOT |
| 1839 | EE | 107 | Internship | Jaideep Gurjar | Internet of things |
| 1840 | EE | 107 | Internship | Jaswant Singh | Solar Training |
| 1841 | EE | 107 | Internship | Jawwad Habib | Ductile Iron Pipe Insulation |
| 1842 | EE | 107 | Internship | Kapil Goyal | IOT |
| 1843 | EE | 107 | Internship | Kapil kumawat | Autocad electrical |
| 1844 | EE | 107 | Internship | Kartik Yadav | Raspberry Pi with IOT |
| 1845 | EE | 107 | Internship | Kartikeya Suwalka | Internet of Things |
| 1846 | EE | 107 | Internship | Khagesh Kumar Gaur | Internet of things |
| 1847 | EE | 107 | Internship | Kishan Kumar Meena | IOT |
| 1848 | EE | 107 | Internship | Mahir ali | Machine learning and deep learning using python |
| 1849 | EE | 107 | Internship | Manan Jain | Python Programming |
| 1850 | EE | 107 | Internship | Manish godara | IoT and ML |
| 1851 | EE | 107 | Internship | Manish jain | Electric power system |
| 1852 | EE | 107 | Internship | Manish kumawat | Seldom |
| 1853 | EE | 107 | Internship | MANOJ VAISHNAV | INTERNET OF THINGS (IOT) |
| 1854 | EE | 107 | Internship | Mehul Kumawat | Python ML |
| 1855 | EE | 107 | Internship | Milind Kumar | Python Programming |
| 1856 | EE | 107 | Internship | Mohit soni | Python programming |
| 1857 | EE | 107 | Internship | Muhammad shavez khan | Internet of thing |
| 1858 | EE | 107 | Internship | Naman Khandelwal | Python Programming |
| 1859 | EE | 107 | Internship | Nidant sharma | Python Programming |
| 1860 | EE | 107 | Internship | Parul Dhayal | Internet of things |
| 1861 | EE | 107 | Internship | Piyush Gupta | Internet of things |

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|------|----|-----|------------|----------------------------|---|
| 1862 | EE | 107 | Internship | PIYUSH SONI | IOT |
| 1863 | EE | 107 | Internship | Praduman Singh Rajwat | Solar Power Plant Overview |
| 1864 | EE | 107 | Internship | Preksha agrawal | Python |
| 1865 | EE | 107 | Internship | Priyanka Yadav | Python programming |
| 1866 | EE | 107 | Internship | Raghav Bhardwaj | Iot |
| 1867 | EE | 107 | Internship | Raghvendra Singh Shekhawat | Internet of things |
| 1868 | EE | 107 | Internship | Rahul bairwa | Iot |
| 1869 | EE | 107 | Internship | Rajat Sharma | Python |
| 1870 | EE | 107 | Internship | Rajesh Kumar | Python programming |
| 1871 | EE | 107 | Internship | Rakshit Purohit | Python Programming |
| 1872 | EE | 107 | Internship | Ravi choudhary | Machine learning with python |
| 1873 | EE | 107 | Internship | Ravi Kumar Yadav | Python Programming |
| 1874 | EE | 107 | Internship | Saurabh Agrawal | Internet of thing |
| 1875 | EE | 107 | Internship | Shashank sharma | Enabling technology for Electrical transportation |
| 1876 | EE | 107 | Internship | Shivang sharma | Phython |
| 1877 | EE | 107 | Internship | Shubham Jayant | Python Programming |
| 1878 | EE | 107 | Internship | Shubham Mittal | Python programming |
| 1879 | EE | 107 | Internship | Tanishk Choudhary | Internet Of Things |
| 1880 | EE | 107 | Internship | Tushar Choudhary | Python programming |
| 1881 | EE | 107 | Internship | Tushar Hemnani | Internet of Things |
| 1882 | EE | 107 | Internship | Vaibhav Jhajharia | Web Development |
| 1883 | EE | 107 | Internship | Vaibhav Jhajharia | Web development |
| 1884 | EE | 107 | Internship | Vibha Yadav | Python Programming |
| 1885 | EE | 107 | Internship | Vishesh agarwal | Python programming |
| 1886 | EE | 107 | Internship | Vishvesh Sharma | Machine learning |
| 1887 | EE | 107 | Internship | Yash Panwar | Python for Data Science |
| 1888 | EE | 107 | Internship | YUVRAJ SINGH SHAKTAWAT | Python programming |

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|------|----|-----|------------|---------------------|------------------------|
| 1889 | EE | 107 | Internship | Aaditya Nagar | ARDINO+IOT & PYTHON |
| 1890 | EE | 107 | Internship | AbhishekBairwa | ARDINO+IOT & PYTHON |
| 1891 | EE | 107 | Internship | Abhishekgoyal | Solar PV , PLC & SCADA |
| 1892 | EE | 107 | Internship | AbhishekGoyal | ARDINO+IOT & PYTHON |
| 1893 | EE | 107 | Internship | Abhishek Kumar | ARDINO+IOT & PYTHON |
| 1894 | EE | 107 | Internship | Aditya Kumar Mishra | ARDINO+IOT & PYTHON |
| 1895 | EE | 107 | Internship | Akshatbhardwaj | Solar PV , PLC & SCADA |
| 1896 | EE | 107 | Internship | AniketKumawat | ARDINO+IOT & PYTHON |
| 1897 | EE | 107 | Internship | Arunchandra | Solar PV , PLC & SCADA |
| 1898 | EE | 107 | Internship | Aryan jangid | ARDINO+IOT & PYTHON |
| 1899 | EE | 107 | Internship | Aryan Jharwal | ARDINO+IOT & PYTHON |
| 1900 | EE | 107 | Internship | Ayush Jain | ARDINO+IOT & PYTHON |
| 1901 | EE | 107 | Internship | Ayush Singh | ARDINO+IOT & PYTHON |
| 1902 | EE | 107 | Internship | Chandrabhan Singh | ARDINO+IOT & PYTHON |
| 1903 | EE | 107 | Internship | Chitranshsharma | Solar PV , PLC & SCADA |
| 1904 | EE | 107 | Internship | Dinesh Suwalkya | Solar PV , PLC & SCADA |
| 1905 | EE | 107 | Internship | Dishank Mehta | Solar PV , PLC & SCADA |
| 1906 | EE | 107 | Internship | DivyamDwivedi | ARDINO+IOT & PYTHON |
| 1907 | EE | 107 | Internship | Drashti Vijay | ARDINO+IOT & PYTHON |
| 1908 | EE | 107 | Internship | Gaurav Jindal | Solar PV , PLC & SCADA |
| 1909 | EE | 107 | Internship | GouravMehra | ARDINO+IOT & PYTHON |



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|------|----|-----|------------|----------------------|------------------------|
| 1910 | EE | 107 | Internship | Harsh Vardhansaini | ARDINO+IOT & PYTHON |
| 1911 | EE | 107 | internship | IshaPachori | ARDINO+IOT & PYTHON |
| 1912 | EE | 107 | Internship | jatingarg | Solar PV , PLC & SCADA |
| 1913 | EE | 107 | Internship | Jitender Singh Yadav | Solar PV , PLC & SCADA |
| 1914 | EE | 107 | Internship | JyotiKaushik | ARDINO+IOT & PYTHON |
| 1915 | EE | 107 | Internship | KirtiNama | ARDINO+IOT & PYTHON |
| 1916 | EE | 107 | Internship | Kirti Singh | ARDINO+IOT & PYTHON |
| 1917 | EE | 107 | Internship | Lakshita Sharma | ARDINO+IOT & PYTHON |
| 1918 | EE | 107 | Internship | Laveshgarg | ARDINO+IOT & PYTHON |
| 1919 | EE | 107 | Internship | Lokeshkumar | Solar PV , PLC & SCADA |
| 1920 | EE | 107 | Internship | Nitishjain | ARDINO+IOT & PYTHON |
| 1921 | EE | 107 | Internship | Payal | ARDINO+IOT & PYTHON |
| 1922 | EE | 107 | Internship | Piyushkumawat | Solar PV , PLC & SCADA |
| 1923 | EE | 107 | Internship | PrachiMalhotra | ARDINO+IOT & PYTHON |
| 1924 | EE | 107 | Internship | PriyalMathur | Solar PV , PLC & SCADA |
| 1925 | EE | 107 | Internship | PriyankaHarchan dani | Solar PV , PLC & SCADA |
| 1926 | EE | 107 | Internship | Priyanshikhandel wal | Solar PV , PLC & SCADA |
| 1927 | EE | 107 | Internship | PriyulAgrawal | Solar PV , PLC & SCADA |
| 1928 | EE | 107 | Internship | RohitPrajapati | ARDINO+IOT & PYTHON |
| 1929 | EE | 107 | Internship | SachinMeghwan shi | ARDINO+IOT & PYTHON |
| 1930 | EE | 107 | Internship | SakshiSarotiya | Solar PV , PLC & SCADA |



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|------|-----|-----|------------|----------------------|----------------------------|
| 1931 | EE | 107 | Internship | Sanjay Nitharwal | Solar PV , PLC & SCADA |
| 1932 | EE | 107 | Internship | Sanskriti Mittal | Solar PV , PLC & SCADA |
| 1933 | EE | 107 | Internship | SAPNA MEENA | Solar PV , PLC & SCADA |
| 1934 | EE | 107 | Internship | Shashankjain | Solar PV , PLC & SCADA |
| 1935 | EE | 107 | internship | ShivdayalDhakar | Solar PV , PLC & SCADA |
| 1936 | EE | 107 | Internship | ShubhamSaxena | ARDINO+IOT & PYTHON |
| 1937 | EE | 107 | Internship | Siddharthjain | Solar PV , PLC & SCADA |
| 1938 | EE | 107 | Internship | SumitHanda | ARDINO+IOT & PYTHON |
| 1939 | EE | 107 | Internship | Sunny Salvi | Solar PV , PLC & SCADA |
| 1940 | EE | 107 | Internship | Tanushreebharad waj | Solar PV , PLC & SCADA |
| 1941 | EE | 107 | Internship | Tejpal Singh Rathore | Solar PV , PLC & SCADA |
| 1942 | EE | 107 | Internship | UtkarshGujral | Solar PV , PLC & SCADA |
| 1943 | EE | 107 | Internship | UtkarshMathur | Solar PV , PLC & SCADA |
| 1944 | EE | 107 | Internship | Varun Sharma | Solar PV , PLC & SCADA |
| 1945 | EE | 107 | Internship | Vikashchoudhar y | Solar PV , PLC & SCADA |
| 1946 | EE | 107 | Internship | Vishal Didwaniya | Solar PV , PLC & SCADA |
| 1947 | EE | 107 | Internship | Visheshjha | Solar PV , PLC & SCADA |
| 1948 | EE | 107 | Internship | VivekkumarNag da | Solar PV , PLC & SCADA |
| 1949 | EE | 107 | Internship | YuvrajDeovanshi | ARDINO+IOT & PYTHON |
| 1950 | EE | 107 | Internship | Yuvraj Singh | Solar PV , PLC & SCADA |
| 1951 | ECE | 109 | Internship | Abhinav Dadhich | Integrating ML with DevOps |

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|------|-----|-----|------------|--------------------|---|
| 1952 | ECE | 109 | Internship | Abhinav Sharma | data analysis |
| 1953 | ECE | 109 | Internship | Abhishek Dave | Machine Learning with Data Science |
| 1954 | ECE | 109 | Internship | Abhishek Jain | Artificial Intelligence |
| 1955 | ECE | 109 | Internship | Akash Arora | Machine learning with data science |
| 1956 | ECE | 109 | Internship | Akshat Sharma | Web development |
| 1957 | ECE | 109 | Internship | Akshat Todi | Deep learning |
| 1958 | ECE | 109 | Internship | Aman Jain | Python and SQL |
| 1959 | ECE | 109 | Internship | Aman Jain | Cloud Computing |
| 1960 | ECE | 109 | Internship | Aman Kumar Jangir | machine learning with data science |
| 1961 | ECE | 109 | Internship | Amit Kumar Chhipa | Django |
| 1962 | ECE | 109 | Internship | Amit Kumar Chhipa | Web Development |
| 1963 | ECE | 109 | Internship | Anchal madnani | Machine learning |
| 1964 | ECE | 109 | Internship | Anjali | Data Science |
| 1965 | ECE | 109 | Internship | Ankit kumar sharma | Machine learning |
| 1966 | ECE | 109 | Internship | Arjita Mathur | Data engineering over cloud with DevOps automation |
| 1967 | ECE | 109 | Internship | Arpit Jain | Machine Learning with data science |
| 1968 | ECE | 109 | Internship | Arushi Jain | Web development |
| 1969 | ECE | 109 | Internship | Aryan Jain | Flutter Framework |
| 1970 | ECE | 109 | Internship | Ashish Jain | IT, Data Engineering |
| 1971 | ECE | 109 | Internship | ASHISH JANGID | Web Development (HTML, CSS, Bootstrap, SQL & PHP), Data Structure |
| 1972 | ECE | 109 | Internship | Ashish Mangal | Artificial Intelligence |
| 1973 | ECE | 109 | Internship | ASHISH RAJ | AI |
| 1974 | ECE | 109 | Internship | Ashish Yadav | Embedded Systems and IOT |
| 1975 | ECE | 109 | Internship | Ashok Singh Gurjar | Machine Learning with Data Science |

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|------|-----|-----|------------|--------------------|--|
| 1976 | ECE | 109 | Internship | Ashutosh Kaushik | MLops |
| 1977 | ECE | 109 | Internship | Ashya Jain | Techinest |
| 1978 | ECE | 109 | Internship | Astha goyal | Machine learning |
| 1979 | ECE | 109 | Internship | Atul Kumar Agrawal | Industrial training |
| 1980 | ECE | 109 | Internship | Ayush Kumar | Machine Learning with Data Science |
| 1981 | ECE | 109 | Internship | ayush sharma | web development |
| 1982 | ECE | 109 | Internship | Ayushi Prajapati | Python/ Artificial Intelligence |
| 1983 | ECE | 109 | Internship | Bhumi Gajjar | Data Engineering over Cloud with DevOps Automation |
| 1984 | ECE | 109 | Internship | Bhupendar Sharma | Machine Learning |
| 1985 | ECE | 109 | Internship | Charul bhati | Web development |
| 1986 | ECE | 109 | Internship | Chhaya Agarwal | Web Development |
| 1987 | ECE | 109 | Internship | Chirag Mahajan | REACT web development |
| 1988 | ECE | 109 | Internship | Darshan Nahata | Embedded syatems |
| 1989 | ECE | 109 | Internship | DARSHAN NAHATA | Machine Learning |
| 1990 | ECE | 109 | Internship | DEVANSHI GAUTAM | MACHINE LEARNING |
| 1991 | ECE | 109 | Internship | Devanshi Nehra | ML |
| 1992 | ECE | 109 | Internship | DEVHUTI JOSHI | DATA ENGINEERING OVER CLOUD WITH DEVOPS AUTOMATION |
| 1993 | ECE | 109 | Internship | Dheeren Mittal | Machine Learning |
| 1994 | ECE | 109 | Internship | Digvijay Singh | Cloud Computing |
| 1995 | ECE | 109 | Internship | Dipanshu Tomer | Data Structure And Algorithm |
| 1996 | ECE | 109 | Internship | Fardeen Hussain | Machine learning |
| 1997 | ECE | 109 | Internship | Gargi Jaiman | Machine Learning |
| 1998 | ECE | 109 | Internship | Garima Goyal | Web Development |
| 1999 | ECE | 109 | Internship | Gaurang Singhal | WEB DEVELOPMENT |
| 2000 | ECE | 109 | Internship | gaurav agrawal | web development |
| 2001 | ECE | 109 | Internship | Harpreet Singh | Web development |

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|------|-----|-----|------------|---------------------|---|
| 2002 | ECE | 109 | Internship | Harsh Kumar Jarthal | Machine Learning with Data Science |
| 2003 | ECE | 109 | Internship | Harshit Jaiswal | Machine Learning and Data Saience |
| 2004 | ECE | 109 | Internship | Harshita Jain | Python with datascience |
| 2005 | ECE | 109 | Internship | Harshita Jain | Artificial Intelligence |
| 2006 | ECE | 109 | Internship | Himanshu Jangid | Machine learning |
| 2007 | ECE | 109 | Internship | Himanshu Kapoor | ML |
| 2008 | ECE | 109 | Internship | Himanshu Sahu | Android Development |
| 2009 | ECE | 109 | Internship | Hitesh Khilyani | Machine learning with data science |
| 2010 | ECE | 109 | Internship | HITESH MITTAL | DATA ENGINEERING OVER CLOUD WITH DEVEOPS AUTOMATION |
| 2011 | ECE | 109 | Internship | Hitesh Mittal | Data Engineering over Cloud with devops automation |
| 2012 | ECE | 109 | Internship | Isha Gothi | AI |
| 2013 | ECE | 109 | Internship | Ishika Chabra | Data Engineering over Cloud with Devops Automation |
| 2014 | ECE | 109 | Internship | Ishika Jain | IT |
| 2015 | ECE | 109 | Internship | Jatin Balani | Machine Learning |
| 2016 | ECE | 109 | Internship | Karan Sharma | WEB DEVELOPMENT |
| 2017 | ECE | 109 | Internship | Kaushal khandal | Artificial Intelligence |
| 2018 | ECE | 109 | Internship | Kaushal Khandal | Artificial Intelligence |
| 2019 | ECE | 109 | Internship | Kaushal Sharma | Data science |
| 2020 | ECE | 109 | Internship | Khushal vijay | Machine learning with data science |
| 2021 | ECE | 109 | Internship | Khushal vijay | Machine learning with data science |
| 2022 | ECE | 109 | Internship | Khushbu Jethwani | Artificial Intelligence |
| 2023 | ECE | 109 | Internship | Khushbu jethwani | Artificial Intelligence |
| 2024 | ECE | 109 | Internship | Kritika Bohra | Machine Learning with Data Science |

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|------|-----|-----|------------|------------------------|--|
| 2025 | ECE | 109 | Internship | Kushank Singh Sisodiya | Deep Learning |
| 2026 | ECE | 109 | Internship | Lekhraj Paliwal | Machine learning (Data Science) |
| 2027 | ECE | 109 | Internship | Madhur Gupta | Data Engineering |
| 2028 | ECE | 109 | Internship | Manish Sharma | Machine Learning |
| 2029 | ECE | 109 | Internship | MAYANK JAIN | MACHINE LEARNING |
| 2030 | ECE | 109 | Internship | Mayur Mangal | Machine Learning |
| 2031 | ECE | 109 | Internship | Mohit Khandelwal | Machine Learning with Data Science |
| 2032 | ECE | 109 | Internship | Mohit Kumar Gupta | Node JS |
| 2033 | ECE | 109 | Internship | Mudit Singhal | Core Java |
| 2034 | ECE | 109 | Internship | NAVEEN KUMAR SHARMA | MACHINE LEARNING |
| 2035 | ECE | 109 | Internship | Neha Jain | Data Engineering over Cloud with DevOps Automation |
| 2036 | ECE | 109 | Internship | Niharika Mishra | Machine Learning |
| 2037 | ECE | 109 | Internship | Nikhil Khandelwal | Web Development |
| 2038 | ECE | 109 | Internship | NIKHIL PAREEK | PYTHON |
| 2039 | ECE | 109 | Internship | NItesh Sirohi | Machine Learning with Data Science |
| 2040 | ECE | 109 | Internship | NITIN KUMAR SHARMA | MACHINE LEARNING AND DATA SCIENCE |
| 2041 | ECE | 109 | Internship | Palak Yadav | Artificial Intelligence |
| 2042 | ECE | 109 | Internship | PARTH SHARMA | Artificial Intelligence |
| 2043 | ECE | 109 | Internship | Parth Sharma | Artificial Technology |
| 2044 | ECE | 109 | Internship | Piyush Jain | WEB DEVLOPEMENT |
| 2045 | ECE | 109 | Internship | Prachi Sinha | Deep learning techniques with Cloud Deployment |
| 2046 | ECE | 109 | Internship | Pradhumn Singh Parihar | Android App Development |

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|------|-----|-----|------------|----------------------|--|
| 2047 | ECE | 109 | Internship | PRANJAL PORWAL | DATA ENGINEERING OVER CLOUD WITH DEVOPS AUTOMATION |
| 2048 | ECE | 109 | Internship | Prateek Gautam | Programming With Python |
| 2049 | ECE | 109 | Internship | Pratibha Bothra | E-commerce store review text classification using deep learning techniques with cloud deployment. |
| 2050 | ECE | 109 | Internship | Pratibha Bothra | Machine Learning |
| 2051 | ECE | 109 | Internship | Priya Singh | Data Analytics |
| 2052 | ECE | 109 | Internship | Priyanshi agarwal | WEB DEVELOPMENT |
| 2053 | ECE | 109 | Internship | Pulkit jain | Web development |
| 2054 | ECE | 109 | Internship | Puru Soni | Data Engineering over Cloud with DevOps Automation. |
| 2055 | ECE | 109 | Internship | Rajeev Soni | Data Science |
| 2056 | ECE | 109 | Internship | Rashi Gupta | Python , SQLite, GUI |
| 2057 | ECE | 109 | Internship | RASHI GUPTA | PROGRAMMING IN PYTHON |
| 2058 | ECE | 109 | Internship | ravi sain | MACHINE LEARNING PROGRAMMING |
| 2059 | ECE | 109 | Internship | Rishit Mangal | Machine Learning |
| 2060 | ECE | 109 | Internship | Rishit Mangal | Machine Learning |
| 2061 | ECE | 109 | Internship | Ritika sharma | Machine Learning |
| 2062 | ECE | 109 | Internship | Rohit Raj | Machine learning with Data Science |
| 2063 | ECE | 109 | Internship | ROHIT RAJ | Machine Learning |
| 2064 | ECE | 109 | Internship | Ronak Mathur | Data Science |
| 2065 | ECE | 109 | Internship | Saakshi Goswami | Python |
| 2066 | ECE | 109 | Internship | Sagar Gurnai | Machine learnig |
| 2067 | ECE | 109 | Internship | Sakshi Natani | MACHINE LEARNING WITH DATA SCIENCE |
| 2068 | ECE | 109 | Internship | Sakshi Singh | Machine Learning with Data Science |
| 2069 | ECE | 109 | Internship | Saloni Gangwal | Artificial Intelligence |

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|------|-----|-----|------------|----------------------|--|
| 2070 | ECE | 109 | Internship | Saloni Vyas | DevOps with Cloud Automation |
| 2071 | ECE | 109 | Internship | Saloni Vyas | DevOps with Cloud Automation, Web Development |
| 2072 | ECE | 109 | Internship | Samyak Jain | Machine Learning with Data Science |
| 2073 | ECE | 109 | Internship | Sankalp Negi | Machine learning with Data Science |
| 2074 | ECE | 109 | Internship | Sarthak Agrawal | Machine Learning |
| 2075 | ECE | 109 | Internship | Satvik Jain | Machine Learning and Artificial Intelligence |
| 2076 | ECE | 109 | Internship | Saurabh Choudhary | Data Science |
| 2077 | ECE | 109 | Internship | Saurabh Jain | Data Science |
| 2078 | ECE | 109 | Internship | Saurabh Jain | Data Science with Python |
| 2079 | ECE | 109 | Internship | Seema Joshi | Machine Learning with Data Science |
| 2080 | ECE | 109 | Internship | SHAILVI | Machine learning with Data Science |
| 2081 | ECE | 109 | Internship | Shikha Jain | Data engineering over cloud with devops automation |
| 2082 | ECE | 109 | Internship | Shivam gupta | The fundamentals of digital marketing, Digital skills(retail), Artificial intelligence |
| 2083 | ECE | 109 | Internship | Shivgautam Agrawal | Machine Learning with Data Science |
| 2084 | ECE | 109 | Internship | Shivgautam Agrawal | Machine learning |
| 2085 | ECE | 109 | Internship | Shrey Bhargava | Machine learning |
| 2086 | ECE | 109 | Internship | Shreya Sharma | Artificial Intelligence |
| 2087 | ECE | 109 | Internship | Shreyansh Ramteke | AI |
| 2088 | ECE | 109 | Internship | Shubh Kohli | MLOPS |
| 2089 | ECE | 109 | Internship | Shubham garg | Artificial Intelligence |
| 2090 | ECE | 109 | Internship | Shubham Singh Rajput | Machine Learning |

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|------|-----|-----|------------|-----------------------|--|
| 2091 | ECE | 109 | Internship | SHUBHAM SRIVASTAVA | PROGRAMMING IN PYTHON |
| 2092 | ECE | 109 | Internship | Siddharth Jain | ARTIFICIAL INTELLIGENCE |
| 2093 | ECE | 109 | Internship | Srashti Gupta | Machine Learning with Data Science |
| 2094 | ECE | 109 | Internship | Stuti Jain | WEB DEVELOPMENT |
| 2095 | ECE | 109 | Internship | Sulekha Gupta | Machine learning with Data Science (56 days) |
| 2096 | ECE | 109 | Internship | SUMIT KUMAR | Artificial Intelligence |
| 2097 | ECE | 109 | Internship | Sumit Kumawat | MLOps (Applying Machine Learning on DevOps) |
| 2098 | ECE | 109 | Internship | Sumit Sanghi | Artificial Intelligence |
| 2099 | ECE | 109 | Internship | SWAROOP SINGH | MACHINE LEARNING |
| 2100 | ECE | 109 | Internship | Swastik Amera | Machine Learning |
| 2101 | ECE | 109 | Internship | Tanu Sawlani | MOTION SENSOR TECHNOLOGY |
| 2102 | ECE | 109 | Internship | Tanu sawlani | Embedded Systems and IoT |
| 2103 | ECE | 109 | Internship | Vanshika Bordia | Embedded C and IOT |
| 2104 | ECE | 109 | Internship | Vatsal Agarwal | Python |
| 2105 | ECE | 109 | Internship | Vedant Surolia | Internshala |
| 2106 | ECE | 109 | Internship | vinit khandal | WEB DEVELOPMENT |
| 2107 | ECE | 109 | Internship | Vishal Sharma | Web design and development |
| 2108 | ECE | 109 | Internship | Yash Beniwal | Machine Learning with Data Science (45) |
| 2109 | ECE | 109 | Internship | Yash Kumar Vyas | Machine learning with datascience |
| 2110 | ECE | 109 | Internship | Yashraj Singh Chauhan | Machine learning using Python |
| 2111 | ECE | 109 | Internship | YOJANA JAIMINI | Embedded Systems and IoT |
| 2112 | ECE | 109 | Internship | Sahil VijayVargia | Machine Learning with Data Science |
| 2113 | ECE | 109 | Internship | Abhishek Agrawal | Machine Learning |



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|------|-----|-----|------------|--------------------|------------------------------------|
| 2114 | ECE | 109 | Internship | Aditi Jain | Python |
| 2115 | ECE | 109 | Internship | Aditi Malhotra | Data Science |
| 2116 | ECE | 109 | Internship | Aditya Mehta | Machine Learning |
| 2117 | ECE | 109 | Internship | Aditya Raj | Machine learning and data science |
| 2118 | ECE | 109 | Internship | Aditya Shrivastava | Artificial intelligence |
| 2119 | ECE | 109 | Internship | ADITYA SWARNKAR | MACHINE LEARNING |
| 2120 | ECE | 109 | Internship | Aishwarya Lodha | Cloud Computing |
| 2121 | ECE | 109 | Internship | Akash soni | Online |
| 2122 | ECE | 109 | Internship | Akshat Jain | Data Science |
| 2123 | ECE | 109 | Internship | Akshat Singhal | Web Development |
| 2124 | ECE | 109 | Internship | Akshay Arora | Machine learning |
| 2125 | ECE | 109 | Internship | Akshit Jagetiya | Machine Language |
| 2126 | ECE | 109 | Internship | Alisha Lohia | AI |
| 2127 | ECE | 109 | Internship | AMAN SINGH | DATA SCIENCE |
| 2128 | ECE | 109 | Internship | Aniket Sharma | Machine learning |
| 2129 | ECE | 109 | Internship | ANSH AGARWAL | DATA SCIENCE |
| 2130 | ECE | 109 | Internship | Anshul Gadia | Artificial Intelligence |
| 2131 | ECE | 109 | Internship | Anushka Tiwari | Artificial intelligence |
| 2132 | ECE | 109 | Internship | Arpan Goyal | Machine Learning |
| 2133 | ECE | 109 | Internship | ARPIT GUPTA | DATA SCIENCE |
| 2134 | ECE | 109 | Internship | Arpit jain | Artificial Intelligence |
| 2135 | ECE | 109 | Internship | Aryan Pareek | Machine Learning with Data Science |
| 2136 | ECE | 109 | Internship | Aryan Pareek | Machine Learning With Data Science |
| 2137 | ECE | 109 | Internship | Ashish Kumar | Python & GUI Training |
| 2138 | ECE | 109 | Internship | Ashish Kumar | Python |
| 2139 | ECE | 109 | Internship | Ashutosh Krishan | MACHINE LEARNING |
| 2140 | ECE | 109 | Internship | Ashutosh Krishan | Machine Learning and Data Science |
| 2141 | ECE | 109 | Internship | Ashutosh Lawania | Web development |

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|------|-----|-----|------------|------------------------|------------------------------------|
| 2142 | ECE | 109 | Internship | Ashutosh Mishra | Full Stack Web development |
| 2143 | ECE | 109 | Internship | Ayush Agarwal | Python |
| 2144 | ECE | 109 | Internship | Ayush Chaturvedi | Digital Marketing |
| 2145 | ECE | 109 | Internship | Ayush Chaturvedi | Artificial Intelligence |
| 2146 | ECE | 109 | Internship | Ayush Chaturvedi | Artificial intelligence-AI |
| 2147 | ECE | 109 | Internship | Ayush Jain | Web development and design |
| 2148 | ECE | 109 | Internship | Ayush Sharma | Artificial Intelligence |
| 2149 | ECE | 109 | Internship | Bhanuja Bhatt | Machine learning |
| 2150 | ECE | 109 | Internship | Bhaumik Jain | Artificial intelligence |
| 2151 | ECE | 109 | Internship | Bhaumik Jain | Artificial Intelligence |
| 2152 | ECE | 109 | Internship | Bhaveen Kumar Tak | Machine Learning |
| 2153 | ECE | 109 | Internship | Bhuvanesh kumar sharma | Web development |
| 2154 | ECE | 109 | Internship | Bhuvanesh kumar sharma | Cybersecurity |
| 2155 | ECE | 109 | Internship | Bipul kumar Giri | Machine learning |
| 2156 | ECE | 109 | Internship | chetan tanwar | Machine Learning |
| 2157 | ECE | 109 | Internship | Daksh Yogi | Machine learning&Data science |
| 2158 | ECE | 109 | Internship | Daksh Yogi | Machine learning with data science |
| 2159 | ECE | 109 | Internship | Deeptanshu sharma | MACHINE LEARNING |
| 2160 | ECE | 109 | Internship | Deeptanshu sharma | MACHINE LEARNING |
| 2161 | ECE | 109 | Internship | Devendra Agrawal | Online mode |
| 2162 | ECE | 109 | Internship | Dewang Bhardwaj | Python |
| 2163 | ECE | 109 | Internship | Dheeraj Javeria | Machine Learning |
| 2164 | ECE | 109 | Internship | Dheeraj Javeria | Machine Learning |
| 2165 | ECE | 109 | Internship | DHYAN CHANDRA | MACHINE LEARNING |
| 2166 | ECE | 109 | Internship | Divya Agarwal | Web development and design |



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|------|-----|-----|------------|--------------------------|------------------------------------|
| 2167 | ECE | 109 | Internship | Divyam Agarwal | Digital Marketing |
| 2168 | ECE | 109 | Internship | Divyansh Sharma | ML |
| 2169 | ECE | 109 | Internship | Divyansh Sharma | Machine Learning |
| 2170 | ECE | 109 | Internship | Dolly Mehta | Machine learning |
| 2171 | ECE | 109 | Internship | Dolly Mehta | Machine learning |
| 2172 | ECE | 109 | Internship | Gajendra Singh Shekhawat | Cloud computing |
| 2173 | ECE | 109 | Internship | Gargi Rewar | Machine Learning With Data Science |
| 2174 | ECE | 109 | Internship | Garvit Mittal | Data Structure and Algorithm |
| 2175 | ECE | 109 | Internship | Gaurav Bharadwaj | Machine Learning |
| 2176 | ECE | 109 | Internship | Gaurav Budhani | Blockchain |
| 2177 | ECE | 109 | Internship | Gurumeet barnwal | Data Science |
| 2178 | ECE | 109 | Internship | Hardik | Artificial intelligence |
| 2179 | ECE | 109 | Internship | Hardik Singh Bisht | Artificial intelligence |
| 2180 | ECE | 109 | Internship | Harkishan S Walia | Android development through KOTLIN |
| 2181 | ECE | 109 | Internship | Harkishan S Walia | Kotlin android development |
| 2182 | ECE | 109 | Internship | Harsh Gurjar | AI |
| 2183 | ECE | 109 | Internship | Harsh Gurjar | ARTIFICIAL INTELLIGENCE |
| 2184 | ECE | 109 | Internship | HARSH Jain | AI |
| 2185 | ECE | 109 | Internship | HARSH JAIN | Artificial intelligence |
| 2186 | ECE | 109 | internship | Harsh Vardhan Singh | Programming In Python |
| 2187 | ECE | 109 | Internship | Harsh Vardhan Singh | Programming in Python |
| 2188 | ECE | 109 | Internship | Harshdeep Singh Songara | Machine Learning |
| 2189 | ECE | 109 | Internship | Harshdeep Singh Songara | Machine Learning |
| 2190 | ECE | 109 | Internship | HARSHIT BHAT | Machine learning |

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|------|-----|-----|------------|---------------------|-----------------------------------|
| 2191 | ECE | 109 | Internship | Harshit bhat | Machine learning |
| 2192 | ECE | 109 | Internship | Harshita Sharma | Machine learning |
| 2193 | ECE | 109 | Internship | Harshita Sharma | Machine learning |
| 2194 | ECE | 109 | Internship | Hiranshi Malvi | Machine learning |
| 2195 | ECE | 109 | Internship | Hiranshi Malvi | Machine Learning |
| 2196 | ECE | 109 | Internship | Indraysh Vijay | Machine learning |
| 2197 | ECE | 109 | Internship | Indraysh Vijay | Machine learning |
| 2198 | ECE | 109 | Internship | Ishika Gupta | Machine Learning |
| 2199 | ECE | 109 | Internship | Ishika Gupta | Machine learning |
| 2200 | ECE | 109 | Internship | Ishu Parihar | Machine Learning |
| 2201 | ECE | 109 | Internship | Ishu Parihar | Machine Learning |
| 2202 | ECE | 109 | Internship | Ishwar verma | Machine Learning |
| 2203 | ECE | 109 | Internship | Ishwar verma | Matching learning |
| 2204 | ECE | 109 | Internship | Janvi Jain | Machine learning |
| 2205 | ECE | 109 | Internship | Janvi Jain | Machine learning |
| 2206 | ECE | 109 | Internship | Jatin Pareek | Machine Learning |
| 2207 | ECE | 109 | Internship | Jatin Pareek | Machine Learning |
| 2208 | ECE | 109 | Internship | Jayesh Gupta | Machine Learning and Data Science |
| 2209 | ECE | 109 | Internship | Jayesh Gupta | Machine learning and Data Science |
| 2210 | ECE | 109 | Internship | JYOTI PODDAR | MACHINE LEARNING |
| 2211 | ECE | 109 | Internship | Jyoti Poddar | Machine learning |
| 2212 | ECE | 109 | Internship | Kajal Goyal | Machine learning |
| 2213 | ECE | 109 | Internship | Kashish Chandra | Internet of Things |
| 2214 | ECE | 109 | Internship | Kashish Chandra | Internet of Things |
| 2215 | ECE | 109 | Internship | Keshav Khandelwal | Android app development |
| 2216 | ECE | 109 | Internship | Keshav Khandelwal | Android app development |
| 2217 | ECE | 109 | Internship | Kinshu kumar gupta | MI |
| 2218 | ECE | 109 | Internship | Kinshu kumar gupta | Machine learning |
| 2219 | ECE | 109 | internship | Kuldeep Singh Dagur | Machine Learning |
| 2220 | ECE | 109 | Internship | Kuldeep Singh | C- Language |

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|------|-----|-----|------------|---------------------|--|
| 2221 | ECE | 109 | Internship | Kuldeep Singh Dagur | Machine Learning |
| 2222 | ECE | 109 | Internship | Kunal Dadheech | Arduino |
| 2223 | ECE | 109 | Internship | Kunal Dadheech | PCB Design |
| 2224 | ECE | 109 | Internship | Kunal Sharma | Android App Development |
| 2225 | ECE | 109 | Internship | Kunal Sharma | Android App Development |
| 2226 | ECE | 109 | Internship | Lakshay Jain | Machine learning |
| 2227 | ECE | 109 | Internship | Lakshya Jhalani | Embedded System |
| 2228 | ECE | 109 | Internship | Lakshya Jhalani | PCB Designing |
| 2229 | ECE | 109 | Internship | Laxman Prasad Ojha | Machine Learning |
| 2230 | ECE | 109 | Internship | Lokender singh | Machine learning |
| 2231 | ECE | 109 | Internship | Madhur Maharshi | Web development |
| 2232 | ECE | 109 | Internship | Madhur Maharshi | Web Development |
| 2233 | ECE | 109 | Internship | Manan Agrawal | Machine Learning And Data Science |
| 2234 | ECE | 109 | Internship | Mayank Kumar | Machine Learning |
| 2235 | ECE | 109 | Internship | Mayank Kumar | Machine learning |
| 2236 | ECE | 109 | Internship | Md Jauhar Iqbal | Matchine learning |
| 2237 | ECE | 109 | Internship | Megha | Data structure and algorithm |
| 2238 | ECE | 109 | Internship | Megha | Data structure and algorithm |
| 2239 | ECE | 109 | Internship | Megha Kumari | AI |
| 2240 | ECE | 109 | Internship | Megha Kumari | Artificial intelligence |
| 2241 | ECE | 109 | Internship | Mehul Kumar Sharma | Introduction to Industry 4.0 and Industrial Internet of Things |
| 2242 | ECE | 109 | Internship | Mehul Kumar Sharma | Industry 4.0 and Industrial IOT |
| 2243 | ECE | 109 | Internship | Mehul Kumar Sharma | Industry 4.0 and Industrial IOT |
| 2244 | ECE | 109 | Internship | Mihir Dadhich | Web Development and Google cloud ☁ |
| 2245 | ECE | 109 | Internship | Mihir Dadhich | Web Development |

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|------|-----|-----|------------|----------------------|-----------------------------------|
| 2246 | ECE | 109 | Internship | Milan Singh Gurjar | Internet of things |
| 2247 | ECE | 109 | Internship | Mitul Chhipa | Blockchain |
| 2248 | ECE | 109 | Internship | Mitul Chhipa | Blockchain |
| 2249 | ECE | 109 | internship | Mohammed Adnan Khan | MI&DS |
| 2250 | ECE | 109 | Internship | Mohit goyal | MACHINE LEARNING |
| 2251 | ECE | 109 | Internship | Mohit goyal | MACHINE LEARNING AND DATA SCIENCE |
| 2252 | ECE | 109 | Internship | Mohit mathur | Machine learning |
| 2253 | ECE | 109 | Internship | Mohit Mathur | Machine learning |
| 2254 | ECE | 109 | Internship | MONIKA SAINI | MACHINE LEARNING |
| 2255 | ECE | 109 | Internship | Monika Saini | Machine Learning |
| 2256 | ECE | 109 | Internship | Murari agarwal | Introduction to electronics |
| 2257 | ECE | 109 | Internship | Murari agarwal | Artificial Intelligence |
| 2258 | ECE | 109 | Internship | Muskan Agarwal | DevOps |
| 2259 | ECE | 109 | Internship | Muskan Bhattar | Machine learning |
| 2260 | ECE | 109 | Internship | Muskan Jalan | Machine Learning |
| 2261 | ECE | 109 | Internship | Nagendra Singh | Machine Learning and Data Science |
| 2262 | ECE | 109 | Internship | Naman jain | Machine learning |
| 2263 | ECE | 109 | Internship | Nandini vyas | Machine learning |
| 2264 | ECE | 109 | Internship | Nandini vyas | Machine learning |
| 2265 | ECE | 109 | Internship | NAVEEN SHARMA | Web development |
| 2266 | ECE | 109 | Internship | Neha jain | Python |
| 2267 | ECE | 109 | Internship | Neha Jain | machine learning and data science |
| 2268 | ECE | 109 | Internship | Nikhil Mittal | Embedded System |
| 2269 | ECE | 109 | Internship | Nirali garg | Machine learning |
| 2270 | ECE | 109 | Internship | Nishant kumar | ML and data science |
| 2271 | ECE | 109 | Internship | Nishant kumar | Machine learning |
| 2272 | ECE | 109 | Internship | Nishant kumar Pathak | Machine Learning And Data Science |
| 2273 | ECE | 109 | Internship | Nishant kumar Pathak | Machine learning |
| 2274 | ECE | 109 | Internship | Palak marwal | Machine learning |

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|------|-----|-----|------------|-------------------|-----------------------------------|
| 2275 | ECE | 109 | Internship | Palak marwal | Machine learning with python |
| 2276 | ECE | 109 | Internship | Parag Gupta | Machine learning |
| 2277 | ECE | 109 | Internship | Parag Gupta | Machine learning |
| 2278 | ECE | 109 | Internship | Paridhi Punglia | Google cloud |
| 2279 | ECE | 109 | Internship | Parishi sharma | Internshala |
| 2280 | ECE | 109 | Internship | Parishi sharma | Data structures |
| 2281 | ECE | 109 | Internship | Parishi Sharma | Data structure and algorithm |
| 2282 | ECE | 109 | Internship | Parishi sharma | Data structure |
| 2283 | ECE | 109 | internship | Parth Pareek | Machine learning and data science |
| 2284 | ECE | 109 | Internship | Parth Pareek | Machine learning and data science |
| 2285 | ECE | 109 | Internship | Parth Sharma | Machine learning and data science |
| 2286 | ECE | 109 | Internship | Parth Sharma | Machine learning and data science |
| 2287 | ECE | 109 | Internship | Piyush Kumar | Machine learning |
| 2288 | ECE | 109 | Internship | Piyush kumar | Machine learning |
| 2289 | ECE | 109 | Internship | Prachi Maheshwari | GCCF |
| 2290 | ECE | 109 | Internship | Prachi Maheshwari | Google cloud |
| 2291 | ECE | 109 | Internship | Prachi Maheshwari | Google cloud |
| 2292 | ECE | 109 | Internship | Prachi Soni | Google cloud |
| 2293 | ECE | 109 | Internship | Prachi Soni | Cloud computing |
| 2294 | ECE | 109 | Internship | Prashun Raj | Cloud Computing |
| 2295 | ECE | 109 | Internship | Prashun Raj | Machine Learning |
| 2296 | ECE | 109 | Internship | PRATHAM MITTAL | Machine learning |
| 2297 | ECE | 109 | Internship | PRATYUSH AMRIT | Web development |
| 2298 | ECE | 109 | Internship | Pratyush Amrit | Web development |
| 2299 | ECE | 109 | Internship | Prinal Gupta | Machine learning |
| 2300 | ECE | 109 | Internship | Priyanshi Agrawal | Machine Learning |
| 2301 | ECE | 109 | Internship | Priyanshi Chasta | GCCF |
| 2302 | ECE | 109 | Internship | Priyanshi Chasta | GCCF |

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|------|-----|-----|------------|--------------------|----------------------------------|
| 2303 | ECE | 109 | Internship | Priyanshi Chasta | Google cloud |
| 2304 | ECE | 109 | Internship | PRIYANSHU JAIN | INTERNSHALA (MACHINE LEARNING) |
| 2305 | ECE | 109 | Internship | Priyanshu Singhal | Cloud Computing |
| 2306 | ECE | 109 | Internship | Pulkit khandelwal | Web development |
| 2307 | ECE | 109 | Internship | Pulkit Khandelwal | Web development |
| 2308 | ECE | 109 | Internship | Pulkit khandelwal | Web development |
| 2309 | ECE | 109 | Internship | Puneet kukkar | Machine learning |
| 2310 | ECE | 109 | Internship | Puneet kukkar | Machine learning |
| 2311 | ECE | 109 | Internship | Rachit Bhargava | MACHINE LEARNING |
| 2312 | ECE | 109 | Internship | Raghav agarwal | Machine learning |
| 2313 | ECE | 109 | Internship | Raghav agarwal | Machine learning |
| 2314 | ECE | 109 | Internship | Raghav Tiwari | Cloud Computing |
| 2315 | ECE | 109 | Internship | Raghav Tiwari | Cloud Computing |
| 2316 | ECE | 109 | Internship | Rahul danga | Machine learning |
| 2317 | ECE | 109 | Internship | Rahul danga | Python |
| 2318 | ECE | 109 | Internship | Rahul danga | machine learning |
| 2319 | ECE | 109 | Internship | Raj Bhatnagar | Google Cloud |
| 2320 | ECE | 109 | Internship | Raj Bhatnagar | Google Cloud |
| 2321 | ECE | 109 | Internship | Rajat jakhar | Web development |
| 2322 | ECE | 109 | Internship | Rajat jakhar | Web development |
| 2323 | ECE | 109 | Internship | Rajshree Prajapati | Machine learning |
| 2324 | ECE | 109 | Internship | Rajshree Prajapati | Machine learning |
| 2325 | ECE | 109 | Internship | Rajshree Prajapati | Machine learning |
| 2326 | ECE | 109 | Internship | Rajshree Prajapati | Machine learning |
| 2327 | ECE | 109 | Internship | Rajshree Prajapati | Machine learning |
| 2328 | ECE | 109 | Internship | Rakesh Prajapat | Artificial intelligence |
| 2329 | ECE | 109 | Internship | Rakesh Prajapat | Machine Learning |
| 2330 | ECE | 109 | Internship | RAKSHA VERMA | CLOUD COMPUTING |

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|------|-----|-----|------------|-----------------------|--------------------------------------|
| 2331 | ECE | 109 | Internship | Ram jashnani | Blockchain |
| 2332 | ECE | 109 | Internship | Ranjeet Pankaj | Machine learning |
| 2333 | ECE | 109 | Internship | Ranjeet Pankaj | Machine learning |
| 2334 | ECE | 109 | Internship | Ranjeet Pankaj | Machine learning |
| 2335 | ECE | 109 | Internship | Ranjeet Pankaj | Machine Learning |
| 2336 | ECE | 109 | Internship | Rashtrik Varnoti | Data science |
| 2337 | ECE | 109 | Internship | Rekha Upadhyay | Artificial intelligence using python |
| 2338 | ECE | 109 | Internship | Rishab jain | Web development |
| 2339 | ECE | 109 | Internship | Rishab jain | Web development |
| 2340 | ECE | 109 | Internship | Rishabh Mahla | Blockchain |
| 2341 | ECE | 109 | Internship | Rishabh Mishra | Cloud Computing |
| 2342 | ECE | 109 | Internship | RITIK SHARMA | Machine Learning |
| 2343 | ECE | 109 | Internship | RITIK SHARMA | Machine Learning |
| 2344 | ECE | 109 | Internship | Rituraj Singh Rathore | Machine learning |
| 2345 | ECE | 109 | Internship | Rituraj Singh Rathore | Machine learning |
| 2346 | ECE | 109 | Internship | Rohan kumar | Machine Learning |
| 2347 | ECE | 109 | Internship | Rohan kumar | Machine learning |
| 2348 | ECE | 109 | Internship | Rohit datwani | Machine learning & Data science |
| 2349 | ECE | 109 | Internship | ROHITH KUMAR SAINI | Flutter |
| 2350 | ECE | 109 | Internship | ROHITH KUMAR SAINI | App development |
| 2351 | ECE | 109 | Internship | Ronak Goyal | Machine learning |
| 2352 | ECE | 109 | Internship | Ronak Goyal | Machine learning |
| 2353 | ECE | 109 | Internship | Roushan Raj | Machine learning |
| 2354 | ECE | 109 | Internship | Roushan Raj | Machine learning |
| 2355 | ECE | 109 | Internship | SACHIT BANSAL | Machine learning |
| 2356 | ECE | 109 | Internship | Sagar Jain | Machine learning |
| 2357 | ECE | 109 | Internship | SAKET SHARMA | Android app Development |
| 2358 | ECE | 109 | Internship | Saksham arya | Machine learning |
| 2359 | ECE | 109 | Internship | Sakshi Jaiswal | Machine learning |

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|------|-----|-----|------------|-------------------------------|---------------------------------------|
| 2360 | ECE | 109 | Internship | Sakshi Kansal | Machine learning |
| 2361 | ECE | 109 | Internship | Sakshi Sharma | Machine learning |
| 2362 | ECE | 109 | Internship | Sambhav Agarwal | REACT JS |
| 2363 | ECE | 109 | Internship | Sambhav Agarwal | React |
| 2364 | ECE | 109 | Internship | Samiksha Mathur | Machine learning |
| 2365 | ECE | 109 | Internship | Sanjay Saini | Web development |
| 2366 | ECE | 109 | Internship | Satyam Kumar thakur | ML |
| 2367 | ECE | 109 | Internship | Saurabh Mandal | Web analytics |
| 2368 | ECE | 109 | Internship | Sejal Mathur | Cloud Computing Foundation Program |
| 2369 | ECE | 109 | Internship | Shailendra Singh Ranawat | GCCF |
| 2370 | ECE | 109 | Internship | SHAIENDRA SINGH RANAWAT | Web development |
| 2371 | ECE | 109 | Internship | Shalin Maloo | Machine Learning, Goggle cloud |
| 2372 | ECE | 109 | Internship | Shalin Maloo | Machine learning |
| 2373 | ECE | 109 | Internship | Shashank Singh | Google Cloud Computing |
| 2374 | ECE | 109 | Internship | Shashank Singh | Google Cloud Computing Foundation |
| 2375 | ECE | 109 | Internship | Shavi bafna | Machine learning |
| 2376 | ECE | 109 | Internship | Shavi bafna | Python for data science |
| 2377 | ECE | 109 | Internship | SHIKHA JAT | Machine learning |
| 2378 | ECE | 109 | Internship | Shikha jat | Machine learning |
| 2379 | ECE | 109 | Internship | Shivam Kalani | Machine learning |
| 2380 | ECE | 109 | Internship | Shivesh Singh | Machine Learning |
| 2381 | ECE | 109 | Internship | Shreyans geldrajain | Cloud computing |
| 2382 | ECE | 109 | Internship | shreyansgeldraja in | Cloud |
| 2383 | ECE | 109 | Internship | Shruti Mittal | Technology |
| 2384 | ECE | 109 | Internship | Shruti Mittal | Web Development |
| 2385 | ECE | 109 | Internship | Shruti Mittal | Web development |
| 2386 | ECE | 109 | Internship | Shruti Sharma | Cloud Computing |

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| 2387 | ECE | 109 | Internship | shruti sharma | Cloud computing |
| 2388 | ECE | 109 | Internship | Shubham Maheshwari | Full-Stack Web Development |
| 2389 | ECE | 109 | Internship | Shubham Maheshwari | Web Development |
| 2390 | ECE | 109 | Internship | Shubham Sinha | Machine Learning |
| 2391 | ECE | 109 | Internship | Siddham Jain | Embedded system and IoT |
| 2392 | ECE | 109 | Internship | SHRISTI PATHAK | GCCF |
| 2393 | ECE | 109 | Internship | Aditya kumar singh | Machine learning |
| 2394 | ECE | 109 | Internship | Simran Kaur | Artificial intelligence |
| 2395 | ECE | 109 | Internship | somya singh | Web development |
| 2396 | ECE | 109 | Internship | Subrata Pal | Web Development |
| 2397 | ECE | 109 | Internship | Subrata Pal | Web Development |
| 2398 | ECE | 109 | Internship | Sudeshna Pal | Android Development |
| 2399 | ECE | 109 | Internship | Sudeshna Pal | Android Development |
| 2400 | ECE | 109 | Internship | SURAJ BISHT | GOOGLE CLOUD COMPUTING FOUNDATION |
| 2401 | ECE | 109 | Internship | Suraj Bisht | Jaipur Engineering College And Research center |
| 2402 | ECE | 109 | Internship | Suraj Bisht | GOOGLE CLOUD COMPUTING FOUNDATION |
| 2403 | ECE | 109 | Internship | Swati Jain | Google cloud computing foundation |
| 2404 | ECE | 109 | Internship | Tanisha Garg | Google Cloud Computing |
| 2405 | ECE | 109 | Internship | Tarib Ahmed | Google Cloud Computing Foundations Program |
| 2406 | ECE | 109 | Internship | Tarib Ahmed | Google cloud computing foundation |
| 2407 | ECE | 109 | Internship | TAYADE AKSHAY ARUN | MACHINE LEARNING |
| 2408 | ECE | 109 | Internship | Tayade Akshay Arun | Machine learning |
| 2409 | ECE | 109 | Internship | Tayade Akshay Arun | Machine learning |

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|------|-----|-----|------------|-----------------------|--|
| 2410 | ECE | 109 | Internship | Teena Gurjar | Internshaala |
| 2411 | ECE | 109 | Internship | Tejvrat Singh Chauhan | Machine learning |
| 2412 | ECE | 109 | Internship | Utkarsh jain | Machine Learning |
| 2413 | ECE | 109 | Internship | Vaibhav Garg | ML |
| 2414 | ECE | 109 | Internship | Vaibhav Garg | Machine Learning & Data Science |
| 2415 | ECE | 109 | Internship | Vaibhav Garg | Machine Learning and Data Science |
| 2416 | ECE | 109 | Internship | vaibhav kabra | Digital marketing and UI/UX |
| 2417 | ECE | 109 | Internship | Vansh Jain | Data Science |
| 2418 | ECE | 109 | Internship | Vansh Jain | Data Science |
| 2419 | ECE | 109 | Internship | Vanshika soni | Java |
| 2420 | ECE | 109 | Internship | Vanshita Rathore | Data science |
| 2421 | ECE | 109 | Internship | Vijay Sharma | Python for Machine Learning |
| 2422 | ECE | 109 | Internship | Vijay Sharma | Google Cloud Computing |
| 2423 | ECE | 109 | Internship | vikas dubey | UI UX |
| 2424 | ECE | 109 | Internship | Vikas dubey | Volunteering |
| 2425 | ECE | 109 | Internship | Vipin Gupta | Flutter |
| 2426 | ECE | 109 | Internship | VIPIN GUPTA | Flutter development |
| 2427 | ECE | 109 | Internship | Vipul khanna | data structures and algorithm |
| 2428 | ECE | 109 | Internship | VISHAKHA JAJOO | Cloud Computing |
| 2429 | ECE | 109 | Internship | vishakha jajoo | Cloud Computing |
| 2430 | ECE | 109 | Internship | Vishal Jain | Web development |
| 2431 | ECE | 109 | Internship | Vishal jain | Web development |
| 2432 | ECE | 109 | Internship | Vishal labana | Machine learning |
| 2433 | ECE | 109 | Internship | Vishal Mehla | Node js |
| 2434 | ECE | 109 | Internship | VRINDAA JOSHI | HTML-JAVASCRIPT-PHP-BOOTSTRAP-REACT-CSS-DBMS |
| 2435 | ECE | 109 | Internship | Yamini Kumawat | JAVA |
| 2436 | ECE | 109 | Internship | Yash Jain | Machine Learning |
| 2437 | ECE | 109 | Internship | Yash Jain | Machine Learning |

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|------|-----|-----|------------|------------------------|---|
| 2438 | ECE | 109 | internship | Yash Jain | GOOGLE CLOUD COMPUTING FOUNDATION PROGRAM |
| 2439 | ECE | 109 | Internship | yash Sethia | Artificial intelligence |
| 2440 | ECE | 109 | Internship | Yash Soni | Machine learning |
| 2441 | ECE | 109 | Internship | Yash Tank | Data Structure |
| 2442 | ECE | 109 | Internship | Yash Tank | Web development |
| 2443 | ECE | 109 | Internship | YASH Tekewal | Data Science |
| 2444 | ECE | 109 | Internship | Yashika Saraswat | Google cloud computing, Python |
| 2445 | ECE | 109 | Internship | Yashwant Tailor | Data science |
| 2446 | ECE | 109 | Internship | Yatharth Sharma | Web Development |
| 2447 | ECE | 109 | Internship | YATHARTH SHARMA | Web Development |
| 2448 | ECE | 109 | Internship | Yuvraj Singh Shekhawat | Java |
| 2449 | ECE | 109 | Internship | Abhay Khandelwal | Embedded System |
| 2450 | ECE | 109 | Internship | Abhi Soni | Embedded systems |
| 2451 | ECE | 109 | Internship | Aditya Raj | Embedded system |
| 2452 | ECE | 109 | Internship | Aditya Sharma | Embedded Systems |
| 2453 | ECE | 109 | Internship | Akshat Dhyani | Embedded system |
| 2454 | ECE | 109 | Internship | Aman Goyal | Embedded Systems |
| 2455 | ECE | 109 | Internship | Amit Solanki | Embedded systems |
| 2456 | ECE | 109 | Internship | Anjali | Embedded Systems |
| 2457 | ECE | 109 | Internship | Ankit kumar sharma | Embedded system |
| 2458 | ECE | 109 | Internship | Anu Shekhawat | Embedded system |
| 2459 | ECE | 109 | Internship | Anurag Kumar Shukla | Embedded System |
| 2460 | ECE | 109 | Internship | Archita Khandelwal | Embedded System and Iot |
| 2461 | ECE | 109 | Internship | Arjun | Embedded System |
| 2462 | ECE | 109 | Internship | Arya Raj | Embedded system |
| 2463 | ECE | 109 | Internship | Aryan Sharma | Embedded Systems |
| 2464 | ECE | 109 | Internship | Ashish Gupta | Embedded system |
| 2465 | ECE | 109 | Internship | Ashish Tiwari | Embedded Systems |
| 2466 | ECE | 109 | Internship | Atul Singhal | Embedded Systems |

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|------|-----|-----|------------|-------------------------|------------------|
| 2467 | ECE | 109 | Internship | Ayush Mittal | Embedded systems |
| 2468 | ECE | 109 | Internship | Ayushi Agarwal | Embedded systems |
| 2469 | ECE | 109 | Internship | Bhavika Saini | Embedded systems |
| 2470 | ECE | 109 | Internship | Bhuvan Kumar Singh | Embedded Systems |
| 2471 | ECE | 109 | Internship | Chandan Kumar | Embedded system |
| 2472 | ECE | 109 | Internship | Chandra Prakash Gupta | Embedded system |
| 2473 | ECE | 109 | Internship | Chetna Agarwal | Embedded Systems |
| 2474 | ECE | 109 | Internship | Chinmay Jain | Embedded System |
| 2475 | ECE | 109 | Internship | Chirayu Trivedi | Embedded systems |
| 2476 | ECE | 109 | Internship | Deepak vijay | Embedded systems |
| 2477 | ECE | 109 | Internship | Dhruv Goyal | Embedded systems |
| 2478 | ECE | 109 | Internship | Divya Saxena | Embedded systems |
| 2479 | ECE | 109 | Internship | Divyanshi upreti | Embedded system |
| 2480 | ECE | 109 | Internship | Diwya sudarshan kaushik | Embedded system |
| 2481 | ECE | 109 | Internship | Gagan Goyal | Upflairs |
| 2482 | ECE | 109 | Internship | Ghanishth Kumawat | Embedded Systems |
| 2483 | ECE | 109 | Internship | Harsh Rawal | Embedded system |
| 2484 | ECE | 109 | Internship | Harshvardhan Sharma | EMBEDDED SYSTEMS |
| 2485 | ECE | 109 | Internship | Harshvardhan soni | Embedded system |
| 2486 | ECE | 109 | Internship | Himanshu Ameta | Embedded Systems |
| 2487 | ECE | 109 | Internship | Himanshu Mittal | Embedded system |
| 2488 | ECE | 109 | Internship | Hitin Vaswani | Embedded Systems |
| 2489 | ECE | 109 | Internship | Jyoti Soni | Embedded Systems |
| 2490 | ECE | 109 | Internship | Kalash Kshetija | Embedded System |
| 2491 | ECE | 109 | Internship | Kanad Mishra | Embedded System |
| 2492 | ECE | 109 | Internship | Keshav Yadav | Embedded Systems |
| 2493 | ECE | 109 | Internship | Khushi Bindal | Embedded Systems |
| 2494 | ECE | 109 | Internship | Khushi kachhara | Embedded system |
| 2495 | ECE | 109 | Internship | Khushi Maheshwari | Embedded System |
| 2496 | ECE | 109 | Internship | Kirtika Sharma | Embedded System |

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|------|-----|-----|------------|---------------------------|------------------|
| 2497 | ECE | 109 | Internship | Kishan Gopal Jetwal | Embedded System |
| 2498 | ECE | 109 | Internship | Komal Gupta | Embedded Systems |
| 2499 | ECE | 109 | Internship | Krishna Jangir | Embedded Systems |
| 2500 | ECE | 109 | Internship | Lakshya Nandwana | Embedded system |
| 2501 | ECE | 109 | Internship | Lakshya Jain | Embedded System |
| 2502 | ECE | 109 | Internship | Laxmi Narayan | Embedded System |
| 2503 | ECE | 109 | Internship | Manas Agrawal | Embedded System |
| 2504 | ECE | 109 | Internship | Manendra Saini | Embedded system |
| 2505 | ECE | 109 | Internship | Manvendra Singh Shekhawat | Embedded system |
| 2506 | ECE | 109 | Internship | Mihir Natani | Embedded System |
| 2507 | ECE | 109 | Internship | Mitali Vinocha | Embedded Systems |
| 2508 | ECE | 109 | Internship | Mohan lal | Embedded systems |
| 2509 | ECE | 109 | Internship | MOHD.ADNAN ZAIDI | Embedded system |
| 2510 | ECE | 109 | Internship | Moti Singh Rajpurohit | Embedded system |
| 2511 | ECE | 109 | Internship | Moti Singh Rajpurohit | Embedded systems |
| 2512 | ECE | 109 | Internship | Naveen Gurjar | Embedded Systems |
| 2513 | ECE | 109 | Internship | Nidhi mundra | Embedded system |
| 2514 | ECE | 109 | Internship | Nikhil Bansal | Embedded System |
| 2515 | ECE | 109 | Internship | Nikhil Bansal | Embedded system |
| 2516 | ECE | 109 | Internship | Nilanshi Jain | Embedded system |
| 2517 | ECE | 109 | Internship | Nirvigh Nama | Embedded Systems |
| 2518 | ECE | 109 | Internship | NITESH RAO | Embedded System |
| 2519 | ECE | 109 | Internship | NITESH RAO | Embedded System |
| 2520 | ECE | 109 | Internship | Nupur Agarwal | Embedded Systems |
| 2521 | ECE | 109 | Internship | Nupur Agarwal | Embedded System |
| 2522 | ECE | 109 | Internship | Pankaj Kumar Yadav | Embedded Systems |
| 2523 | ECE | 109 | Internship | Pankaj Kumar Yadav | Embedded systems |
| 2524 | ECE | 109 | Internship | Payal soni | Embedded systems |
| 2525 | ECE | 109 | Internship | Pooja Choudhary | Embedded system |
| 2526 | ECE | 109 | Internship | Pooja Choudhary | Embedded |
| 2527 | ECE | 109 | Internship | Pranika Goyal | Embedded system |

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|------|-----|-----|------------|------------------------|------------------|
| 2528 | ECE | 109 | Internship | Pratham kapoor | Embedded system |
| 2529 | ECE | 109 | Internship | Priyanshu Jain | Embedded system |
| 2530 | ECE | 109 | Internship | Priyanshu Jain | Embedded system |
| 2531 | ECE | 109 | Internship | PULAK GUPTA | Emeded Systems |
| 2532 | ECE | 109 | Internship | Pulkit Galav | Embedded system |
| 2533 | ECE | 109 | Internship | Pulkit Galav | Embedded System |
| 2534 | ECE | 109 | Internship | Purshotam | Embedded system |
| 2535 | ECE | 109 | Internship | Purshotam | Embedded system |
| 2536 | ECE | 109 | Internship | Rachit Prajapati | Embedded |
| 2537 | ECE | 109 | Internship | Rachit Prajapati | Embedded System |
| 2538 | ECE | 109 | Internship | Rahul Sharma | Embedded system |
| 2539 | ECE | 109 | Internship | Rahul Sharma | Embedded system |
| 2540 | ECE | 109 | Internship | Rahul singh | Upflairs |
| 2541 | ECE | 109 | Internship | Rajnandini soni | Embedded system |
| 2542 | ECE | 109 | Internship | RAMKESH BAIRWA | Embedded system |
| 2543 | ECE | 109 | Internship | RAMKESH BAIRWA | Embedded system |
| 2544 | ECE | 109 | Internship | Ritik chhipa | Embedded system |
| 2545 | ECE | 109 | Internship | Ritik chhipa | Embedded system |
| 2546 | ECE | 109 | Internship | Rohan Sharma | Embedded system |
| 2547 | ECE | 109 | Internship | Rohan Sharma | Embedded system |
| 2548 | ECE | 109 | Internship | Ronit kumar jain | Embedded System |
| 2549 | ECE | 109 | Internship | Ronit kumar jain | Embedded system |
| 2550 | ECE | 109 | Internship | Saif ali | Embedded system |
| 2551 | ECE | 109 | Internship | Saif ali | Embedded |
| 2552 | ECE | 109 | Internship | Sameer Mathur | EMBEDDED SYSTEM |
| 2553 | ECE | 109 | Internship | SAMEER MATHUR | Embedded system |
| 2554 | ECE | 109 | Internship | Sandeep pareek | Embedded system |
| 2555 | ECE | 109 | Internship | Sanskar Kulshrestha | Embedded systems |
| 2556 | ECE | 109 | Internship | Sanskar Kulshrestha | Embedded systems |
| 2557 | ECE | 109 | Internship | Shivansh Bhardwaj | Embedded System |
| 2558 | ECE | 109 | Internship | Rishi saini | Embedded system |
| 2559 | ECE | 109 | Internship | Sapan Mittal | Embedded System |

Department of Electronics & Communication Engineering

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|------|-----|-----|------------|------------------------|----------------------------------|
| 2560 | ECE | 109 | Internship | Saurav Mall | Embedded system |
| 2561 | ECE | 109 | Internship | Saurav Mall | Embedded system |
| 2562 | ECE | 109 | Internship | Shantanu Sharma | Embedded system |
| 2563 | ECE | 109 | Internship | Shashank mangal | Embedded system |
| 2564 | ECE | 109 | Internship | Shivani agarwal | Embedded system |
| 2565 | ECE | 109 | Internship | Shivani agarwal | Embedded system |
| 2566 | ECE | 109 | Internship | Shivansh Bhardwaj | Embedded System |
| 2567 | ECE | 109 | Internship | Shryansh shree GANGWAL | Embedded system |
| 2568 | ECE | 109 | Internship | Shubhankar Pandey | Embedded system |
| 2569 | ECE | 109 | Internship | Siddharth Sharma | Embedded System |
| 2570 | ECE | 109 | Internship | Sneha jain | Embedded system |
| 2571 | ECE | 109 | Internship | Sneha jain | Embedded Systems |
| 2572 | ECE | 109 | Internship | TEENA MURJANI | Embedded system |
| 2573 | ECE | 109 | Internship | Tia Sobti | Embedded system |
| 2574 | ECE | 109 | Internship | Tushar chaturvedi | C++ |
| 2575 | ECE | 109 | Internship | Tushar Chaturvedi | C++ |
| 2576 | ECE | 109 | internship | Tushar Toshniwal | Embedded system |
| 2577 | ECE | 109 | Internship | Umar Farooq Hussain | Embedded systems |
| 2578 | ECE | 109 | Internship | Vaishnavi Chauhan | Embedded system |
| 2579 | ECE | 109 | Internship | Vanshita Khanda | Embedded system |
| 2580 | ECE | 109 | Internship | Vanshita Khanda | Embedded system |
| 2581 | ECE | 109 | Internship | Vinit Garg | Scientific computing with python |
| 2582 | ECE | 109 | Internship | Vipul Agarwal | Embedded systems |
| 2583 | ECE | 109 | Internship | Vishal jain | Embedded system |
| 2584 | ECE | 109 | Internship | Vishal jain | Embedded system |
| 2585 | ECE | 109 | Internship | Vishal jain | Embedded system |

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| 2586 | ECE | 109 | Internship | VISHAL KUMAWAT | Embedded system |
| 2587 | ECE | 109 | Internship | Vishal Kumawat | Embedded system |
| 2588 | ECE | 109 | Internship | Yash Babel | Embedded system |
| 2589 | ECE | 109 | Internship | YASH babel | Embedded system |
| 2590 | ECE | 109 | Internship | Yash goswami | Embeddedd system |
| 2591 | ECE | 109 | Internship | Yash Goswami | Embedded system |
| 2592 | ECE | 109 | Internship | Yash kumar more | Embedded system |
| 2593 | ECE | 109 | Internship | Yash Mittal | Embedded system |
| 2594 | ECE | 109 | Internship | Yash Mittal | Embedded system |
| 2595 | ECE | 109 | Internship | Ronak Maheshwari | Thinknext technology |
| 2596 | ECE | 109 | Internship | Ronak Maheshwari | Thinknext technology |
| 2597 | ECE | 109 | Internship | Abhinav Singh Shekhawat | Web development |
| 2598 | ECE | 109 | Internship | Abhinav Singh Shekhawat | Web development |
| 2599 | ECE | 109 | Internship | Rohit Sharma | Autocad |
| 2600 | ECE | 109 | Internship | Akshat Khandelwal | Embedded system and iot |
| 2601 | AIDS | | Internship | Abhijeet Sharma | JAVA |
| 2602 | AIDS | | Internship | Abhinav Kumar Mittal | Python 101 for data science |
| 2603 | AIDS | | Internship | | C programming |
| 2604 | AIDS | | Internship | Aishwarya Jain | Python Programming |
| 2605 | AIDS | | Internship | Akshat gupta | Artificial intelligence and data science |
| 2606 | AIDS | | Internship | Aman Kaushik | Python 101 for Data Science |
| 2607 | AIDS | | Internship | Aman Sharma | PHP-MySQL |
| 2608 | AIDS | | Internship | Anant Joshi | PHP-MySQL |
| 2609 | AIDS | | Internship | Anchit Parwal | Java script |
| 2610 | AIDS | | Internship | Aniket | PHP-MySQL |
| 2611 | AIDS | | Internship | Anshika Jain | C programming |
| 2612 | AIDS | | Internship | Arham Jain | JavaScript |
| 2613 | AIDS | | Internship | Aryank Gupta | Google analytics |
| 2614 | AIDS | | Internship | | Google Analytics |

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|------|------|--|------------|-------------------|---|
| 2615 | AIDS | | Internship | | THE COMPLETE WEB DEVELOPMENT BOOTCAMP |
| 2616 | AIDS | | Internship | Ayush Michael | The complete 2021 web development bootcamp |
| 2617 | AIDS | | Internship | | Web Development Internship |
| 2618 | AIDS | | Internship | Ayushi George | Web Developer |
| 2619 | AIDS | | Internship | Bharat Mohta | Market Basket Analysis |
| 2620 | AIDS | | Internship | Bhawin Ameta | C Programming |
| 2621 | AIDS | | Internship | Bhunesh Dadheech | Artificial Intelligence |
| 2622 | AIDS | | Internship | Chintan Grover | The complete 2021 web development bootcamp |
| 2623 | AIDS | | Internship | Daksh Sharma | C n c++ |
| 2624 | AIDS | | Internship | Dhawan kumar nama | Mail Automation |
| 2625 | AIDS | | Internship | | Python for Ai and development |
| 2626 | AIDS | | Internship | Dinesh lomror | UI/UX (Html5 + CSS3) Coding Internship |
| 2627 | AIDS | | Internship | GOURAV SHARMA | PYTHON 101 FOR DATA SCIENCE |
| 2628 | AIDS | | Internship | Harsh Jangid | Java script |
| 2629 | AIDS | | Internship | Harshit Singh | PHP MySQL |
| 2630 | AIDS | | Internship | | |
| 2631 | AIDS | | Internship | Ishita Goyal | HTML5+CSS3 |
| 2632 | AIDS | | Internship | Jaiprakash | JavaScript Coding Internship |
| 2633 | AIDS | | Internship | Jerin Jacob | Website Management and Administration |
| 2634 | AIDS | | Internship | Kanishk pareek | Javascript coding internship |
| 2635 | AIDS | | Internship | Karan Kumawat | C programming |
| 2636 | AIDS | | Internship | Karan Sharma | Python Boot camp 2021 Build 15 working Applications and Games |
| 2637 | AIDS | | Internship | Kaushal Yadav | C Programming |
| 2638 | AIDS | | Internship | Khushi Garg | TEDP |

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|------|------|--|------------|----------------------|---|
| 2639 | AIDS | | Internship | Khushi saraswat | Python |
| 2640 | AIDS | | Internship | Khushi sharma | Javascript coding internship |
| 2641 | AIDS | | Internship | Khushwant Vyas | Ethical hacking bootcamp |
| 2642 | AIDS | | Internship | Kirtan Soni | HTML and CSS |
| 2643 | AIDS | | Internship | Manish Kumawat | HTML5 + CSS3 |
| 2644 | AIDS | | Internship | Manjeet Choudhary | Javascript |
| 2645 | AIDS | | Internship | Manshi Singh | Accenture Discovery Program |
| 2646 | AIDS | | Internship | Manu garg | Python 101 for data science |
| 2647 | AIDS | | Internship | Mohak Bardwa | Python for AI and Development |
| 2648 | AIDS | | Internship | | UI/UX(HTML5+CSS3) Coding Internship |
| 2649 | AIDS | | Internship | Mohit Aggarwal | Introduction to Java |
| 2650 | AIDS | | Internship | Mohit Kumar Lalwani | Online lecture series on Emerging trends in Computer Science and Information & Communication Technology |
| 2651 | AIDS | | Internship | | HTML5+CSS3 online internship |
| 2652 | AIDS | | Internship | Muskan Tambi | HTML5 & CSS 3 |
| 2653 | AIDS | | Internship | Naman Gupta | PHP and MySQL Coding Internship |
| 2654 | AIDS | | Internship | Nehal Mittal | Graphic Designing |
| 2655 | AIDS | | Internship | Opal Jain | JavaScript Coding Internship |
| 2656 | AIDS | | Internship | Priyanka Jangid | Python for Data Science |
| 2657 | AIDS | | Internship | Priyanshu Khandelwal | Flutter and Dart |
| 2658 | AIDS | | Internship | Priyanshu Saini | Frontend Web Development Ultimate Course 2021 |
| 2659 | AIDS | | Internship | Puneet Goyal | TCS iON Career Edge - Young Professional |



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|------|------|--|------------|--------------------|---|
| 2660 | AIDS | | Internship | Purvanshi sharma | Python programming |
| 2661 | AIDS | | Internship | Radhika baheti | JavaScript |
| 2662 | AIDS | | Internship | Rahul Dey | HTML5 and CSS3 |
| 2663 | AIDS | | Internship | Rahul pareek | Phyton for AI& Development |
| 2664 | AIDS | | Internship | | UI/UX (Html5 + CSS3) Coding Internship |
| 2665 | AIDS | | Internship | Ritisha sharma | Web development |
| 2666 | AIDS | | Internship | Satyam Rawat | JavaScript Coding |
| 2667 | AIDS | | Internship | | HTML5 nd CSS3 |
| 2668 | AIDS | | Internship | SHIVAM YADAV | Python 101 for data science |
| 2669 | AIDS | | Internship | | Python 101 with data science |
| 2670 | AIDS | | Internship | Shubham Sharma | Basic Web development in JS and React Js |
| 2671 | AIDS | | Internship | | Pytho 101 for Data science |
| 2672 | AIDS | | Internship | | Basic web development with HTML5 CSS3 and javascript |
| 2673 | AIDS | | Internship | Sneha agarwal | Python industrial training by Tech Vision |
| 2674 | AIDS | | Internship | Suhani Bhargava | Online lecture series on Emerging trends in Computer Science and Information & Communication Technology |
| 2675 | AIDS | | Internship | | HTML5+CSS3 online internship |
| 2676 | AIDS | | Internship | Sujal jain | Suven consultants & technology Pvt.Ltd. |
| 2677 | AIDS | | Internship | Tanishk Maheshwari | TEDP on Robotics Process Automation |
| 2678 | AIDS | | Internship | Vartika Karora | Javascript |
| 2679 | AIDS | | Internship | Vipin khatri | Python for AI and development |

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|------|------|--|------------|--------------------|---|
| 2680 | AIDS | | Internship | | UI/UX (HTML5 + CSS3) Coding Internship |
| 2681 | AIDS | | Internship | VISHAL SHIVHARE | D.B.M.S. |
| 2682 | AIDS | | Internship | Nirmiti Porwal | Embedded system |

Internshala Data (2021-22)

| | | | | |
|----|------------------------|-------------|---------------|---|
| 1 | Abhishek Agrawal | Internshala | 6 Weeks | https://drive.google.com/open?id=1PIio4hB54LOC9YcTzK68fQuG4B6MKEgL |
| 2 | Aditi Jain | Internshala | 6 weeks | https://drive.google.com/open?id=16Satj8tyiqd4eWe-KauoyxjelmG5gaLn |
| 3 | Aditi Malhotra | Internshala | 6 weeks | https://drive.google.com/open?id=16KLbglmskOT7H_eirZCD1rV8lq3IzFc4 |
| 4 | Aditya Mehta | Internshala | 42 Days | https://drive.google.com/open?id=1cdriR-rHDQeLVknOJZqM_z1VfTrAQ5vc |
| 5 | ADITYA SWARNKA R | Internshala | 45 DAYS | https://drive.google.com/open?id=1T0ZliF2oKA29oQHkqPTJeo9E2jhbBp_F |
| 6 | Akshat Jain | Internshala | 6 week | https://drive.google.com/open?id=1L7aB8RVnJyp3y2xUmar2m_-WLwAOC906 |
| 7 | Akshat Singhal | Internshala | 8 week | https://drive.google.com/open?id=1xWDTXjzUsoqYgyje-aPPvcXc9lQltF69 |
| 8 | Akshay Arora | Internshala | 42 days | https://drive.google.com/open?id=1SgHXKP_YINikIA4M_NBhgMR_TGXOqCm24 |
| 9 | Akshit Jagetiya | Internshala | 42 Days | https://drive.google.com/open?id=1KbJaliiQZQvNcFD8YA4qFLVypDqkETG5 |
| 10 | AMAN SINGH | Internshala | 40 days | https://drive.google.com/open?id=1PqespEhP22JOGIdGxK8ujhHY0V0FjD0G |
| 11 | Aniket Sharma | Internshala | 6 weeks | https://drive.google.com/open?id=1XL2nICHn4ZowQIyIGsVMMTiPHltm0ncO |
| 12 | ANSH AGARWAL | Internshala | 40 DAYS | https://drive.google.com/open?id=1g1FMO-7DwKUsSAo-wt7o85bfuNzrX7TU |
| 13 | Arpan Goyal | Internshala | 45 Days | https://drive.google.com/open?id=1NKGEmUd2xXs7qv9pesjK99IsvZKuKjoK |
| 14 | ARPIT GUPTA | Internshala | 1.5 MONTHS | https://drive.google.com/open?id=1_ES645uDzYEMkhYjQu8cp0LvRT7_JVN- |
| 15 | Ashish Kumar | Internshala | 6 Weeks | https://drive.google.com/open?id=14dXivrItHOYRVbtWMk5BqxTW0F5lpCNs |
| 16 | Ashish Kumar | Internshala | 6 weeks | https://drive.google.com/open?id=1PALPn-p7L20d5H9eQeCjy6KifKk_3k2j |
| 17 | Ashutosh Lawania | Internshala | 42 Days | https://drive.google.com/open?id=1Od6zHc3L_YEusODtUZiPUrm2ndrKJtG1 |



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| 18 | Ashutosh Mishra | Internshala | 8 weeks | https://drive.google.com/open?id=1UrINIR7KbyYAD92miZF6vOLBvljwEVPq |
| 19 | Ayush Agarwal | Internshala | 45 days | https://drive.google.com/open?id=19vH0OnW8jgpiI27b3xnDqwEpHY2gCMzH |
| 20 | Ayush Chaturvedi | Internshala | 6 Weeks | https://drive.google.com/open?id=1AuWD59q1DBF27qNNsFzxElpKKkUusyZEP |
| 21 | Bhaveen Kumar Tak | Internshala | 30 days | https://drive.google.com/open?id=1mGzruQEycVT1rcGpBjiX6F2HRbOANJsN |
| 22 | Bipul kumar Giri | Internshala | Six weeks | https://drive.google.com/open?id=1SBNoC4jW57Xf6BhAfS4MfDX2p_oRK3I |
| 23 | chetan tanwar | Internshala | Six Month | https://drive.google.com/open?id=1Sd1zDxkq7eqC5W-CkIBDKGll-kd4xjcg |
| 24 | Deeptanshu sharma | Internshala | 6 - WEEKS | https://drive.google.com/open?id=1WkAEGU6ocUtNMDQYPRJ4qV5p74X8rhED |
| 25 | Deeptanshu sharma | Internshala | 6 WEEKS | https://drive.google.com/open?id=1KogT52OQQ-tv679H0-1SuHODGz77wIo5 |
| 26 | Dheeraj Javeria | Internshala | 6 Weeks | https://drive.google.com/open?id=1FAfJa_BGmuLHBtHd_j18tBm-8pW0U6WI |
| 27 | DHYAN CHANDRA | Internshala | 60 days | https://drive.google.com/open?id=1NocVGh79bqcRzz0o0b5W6akxWqCm0yf |
| 28 | Divyansh Sharma | Internshala | 8 Weeks | https://drive.google.com/open?id=1enn6xyt7Qps-2oOTxGvJ3PRWCcgLH9pw |
| 29 | Divyansh Sharma | Internshala | 6 weeks | https://drive.google.com/open?id=1NtIEIqa2LuqGRORfzpS3mrTRGfFCWRQ7 |
| 30 | Dolly Mehta | Internshala | 6 weeks | https://drive.google.com/open?id=1ImNpFPXxCuhX9UyJf1mgINODT_PyheHP |
| 31 | Dolly Mehta | Internshala | 40 days | https://drive.google.com/open?id=1R6jK0oK KM-5Y9Moa6lxwtomAOHwtXgTL |
| 32 | Garvit Mittal | Internshala | 8 weeks | https://drive.google.com/open?id=1ny47Doz u92db3n5NtZtn2WVGguttunap |
| 33 | Gaurav Bharadwaj | Internshala | 6 Weeks | https://drive.google.com/open?id=1hc39jkHuXwy9767oo4LNxPIOIOqFxFxRxV |
| 34 | Gaurav Budhani | Internshala | 6 weeks | https://drive.google.com/open?id=1PjAZcQl2EERi9XdMSK8npo9k58vLDejf |
| 35 | Gurumeet barnwal | Internshala | 6 | https://drive.google.com/open?id=1Xrh-fixLp1Nsaih7O8ZG3jfbog8bYnQp |
| 36 | Harkishan S Walia | Internshala | 8 weeks | https://drive.google.com/open?id=1c0g71EqNxNH46aX_bmoS8T38Nb5qiauU |
| 37 | Harkishan S Walia | Internshala | 8 weeks | https://drive.google.com/open?id=1JKLD1Gkj0Y9003CyIMnvyLqbO8R_09f |



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| 38 | Harsh Vardhan Singh | Internshala | 6 Weeks | https://drive.google.com/open?id=1UfSyt-hP9IZfVj-Tdk0oliB4hLKwe3R1 |
| 39 | Harsh Vardhan Singh | Internshala | 45 days | https://drive.google.com/open?id=18qwlst-r70zLIR2eOIM_JirS2_5f0wRu |
| 40 | Harshdeep Singh Songara | Internshala | 6 weeks | https://drive.google.com/open?id=1aExn-XZjpAIhD2-EyX2hh8uxfZuEKkix |
| 41 | Harshdeep Singh Songara | Internshala | 45 days | https://drive.google.com/open?id=1o6IZ311k_aIP_BcNjIwiURbe35QMmynYX |
| 42 | HARSHIT BHAT | Internshala | 6 weeks | https://drive.google.com/open?id=11ksg00gu1YFhxgAAddPHblrSadQZPOV- |
| 43 | Harshit bhat | Internshala | 6 weeks | https://drive.google.com/open?id=1bOGOOUxqwaegerSBlaE9ZeoVtyo4D2og |
| 44 | Harshita Sharma | Internshala | 6 weeks | https://drive.google.com/open?id=1ic4laP9NLB5qUmdroZi3qsTCkYS-Tz9H |
| 45 | Hiranshi Malvi | Internshala | 6 weeks (45days) | https://drive.google.com/open?id=1JM3D7bfUjtvME737qYx31EEWmqf7NQg0 |
| 46 | Hiranshi Malvi | Internshala | 45days | https://drive.google.com/open?id=1hruJAPaVtQ_2j4mH2Bx2d_hg-jRhmio5 |
| 47 | Indraysh Vijay | Internshala | 6 weeks | https://drive.google.com/open?id=1_axD8eZgVq6SUce_D1bltRtR7G5YjhzK |
| 48 | Indraysh Vijay | Internshala | 45 days | https://drive.google.com/open?id=1F1BtupdCj8ynPyboKWVsAQzM2qX0fHnB |
| 49 | Ishika Gupta | Internshala | 6 week | https://drive.google.com/open?id=1Ls3qbFVkJZkva41O3s2pBts47EvIVgpkT |
| 50 | Ishika Gupta | Internshala | 6 weeks | https://drive.google.com/open?id=1vabl2xsoAfKOxMJwXbawyQ93ywus9_-e |
| 51 | Ishu Parihar | Internshala | 4weeks | https://drive.google.com/open?id=1ReFEsCTtsi-NS2E54feN-hfkOsTE6wzj |
| 52 | Ishu Parihar | Internshala | 6 weeks | https://drive.google.com/open?id=1igur1DwyYk5d7RA_b008x8blaDAGV7oA |
| 53 | Ishwar verma | Internshala | 1 month | https://drive.google.com/open?id=1wH52tTxm3tSQqGZUxPLDz0EaCmodZCCH |
| 54 | Janvi Jain | Internshala | 6 weeks | https://drive.google.com/open?id=12fRp-j1OEc5JIyuriQ5KZa6V-Kg6NhZ5 |
| 55 | Janvi Jain | Internshala | 45 days | https://drive.google.com/open?id=1rNoeUs25Qg4odoeoktAOAJgPgCIqvf2 |
| 56 | Jatin Pareek | Internshala | 6 Weeks | https://drive.google.com/open?id=1g56glC4q13BWvPU6bLiDzWpB1mNd9zIB |



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| 57 | Jatin Pareek | Internshala | 45 days | https://drive.google.com/open?id=1IpeedJhE6dJU1YWqVoaFspKvO29bRt-Y |
| 58 | JYOTI PODDAR | Internshala | 6WEEK | https://drive.google.com/open?id=1RfESxxkzyD_xp3u5004NnrgCrhgkilW |
| 59 | Jyoti Poddar | Internshala | 6weeks | https://drive.google.com/open?id=1hDDSFT6y2mwjeKUh7agdt9XOXdwgKN_t |
| 60 | Kajal Goyal | Internshala | 6weeks | https://drive.google.com/open?id=1jYS1qWoMqUDpIX_a4jUs3VTORtgsTpu |
| 61 | Kashish Chandra | Internshala | 6 weeks (42 days) | https://drive.google.com/open?id=1myJttxF4egfm4HqLYS6uBqVvCNIEbeV1 |
| 62 | Kashish Chandra | Internshala | 6 weeks | https://drive.google.com/open?id=1mBgxby3r4Xd_o3F9a-SskeSEo1p5IC- |
| 63 | Keshav Khandelwal | Internshala | 8 weeks | https://drive.google.com/open?id=1gPKJYPERrFc413GgAWDMbZrS17IL-YHu |
| 64 | Keshav Khandelwal | Internshala | 8 weeks | https://drive.google.com/open?id=1kLniTNdCZjpDILKCwmJKN34J_jnbigrG |
| 65 | Kinshu kumar gupta | Internshala | 42 days | https://drive.google.com/open?id=1D2mUFjAoG50L_muT3x46ufpv2VhubZg9 |
| 66 | Kinshu kumar gupta | Internshala | 45 days | https://drive.google.com/open?id=1TRvMitek1oVHPwPFTJh-QfJp2YCKIYZ |
| 67 | Kuldeep Singh Dagur | Internshala | 6 Weeks | https://drive.google.com/open?id=1nZqEjPNK8n6iraMafVrTyzb9KT3938XZ |
| 68 | Kuldeep Singh Dagur | Internshala | 6 Weeks | https://drive.google.com/open?id=1DabIbMrO4Wmt-cm0R0RzqvLpJzN-jQW |
| 69 | Kunal Dadheech | Internshala | 8 Weeks | https://drive.google.com/open?id=1yI0aIwVwAsdggD-IAMRdS_zUk_FU-KD |
| 70 | Kunal Sharma | Internshala | 8 weeks | https://drive.google.com/open?id=1Cgm2M8sZbKB00_z2XtgcsoeqxfX9e5BT |
| 71 | Kunal Sharma | Internshala | 8 weeks | https://drive.google.com/open?id=1nkiK6vstdfwl_E5Zeit77vmjCuZAcqb |
| 72 | Lakshay Jain | Internshala | 6 weeks | https://drive.google.com/open?id=1kl5Glkc8RDN6iC3fu1q_xAoYrzPyFk6v |
| 73 | Lakshya Jhalani | Internshala | 2 months | https://drive.google.com/open?id=1oK9D6rYBesxc9bHbi2MG2gfnqKtgC_o0 |
| 74 | Laxman Prasad Ojha | Internshala | 6 weeks | https://drive.google.com/open?id=1fyJW5Z1b8znd_hxIHHNVYia0YGlzDT0m |
| 75 | Lokender singh | Internshala | 6 week | https://drive.google.com/open?id=15Xnb72tKzWRmmGb_muHzXYXoVUmrBfp2 |
| 76 | Madhur Maharshi | Internshala | 1.5 months | https://drive.google.com/open?id=13JdZkuNRlzVEBloReLV-YaTJv3WSTLRR |
| 77 | Madhur Maharshi | Internshala | 6 week | https://drive.google.com/open?id=1z5unqcIpC1FQwAW7DC0tozx3BcH_78yB |



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| 78 | Mayank Kumar | Internshala | 6 weeks | https://drive.google.com/open?id=1WQm36R87U-XSc6mntnkTO0k1LUJGWsKT |
| 79 | Mayank Kumar | Internshala | 6 weeks | https://drive.google.com/open?id=1rQ3oqhVoc0aZbbfmo1rQbYsY5HOoDyEu |
| 80 | Megha | Internshala | 8 week | https://drive.google.com/open?id=1I1A4PnQGwOZtXynFXtp7EcOkMDMpHWFq |
| 81 | Megha | Internshala | 8 weeks | https://drive.google.com/open?id=1g-fmrghRh62zFwY4PlqhofXl5q7p6YlC |
| 82 | Mihir Dadhich | Internshala | . | https://drive.google.com/open?id=1P9_f3-ZfbR_xuxPtztcPZY0Ju2iZwekL , https://drive.google.com/open?id=1ZCoi6UuE76UtgbpzIbK9hhpzegqqYPQT |
| 83 | Mihir Dadhich | Internshala | 6 weeks | https://drive.google.com/open?id=1YvoeoSPwzXuUl_Zirg3X2HC7-HpT4Pz1 |
| 84 | Milan Singh Gurjar | Internshala | 57 days | https://drive.google.com/open?id=1VPLY5BoZPgwkAgwyLdAG2I-g7ufbRgev |
| 85 | Mitul Chhipa | Internshala | 6 Weeks | https://drive.google.com/open?id=1Z5CWjbyXtclKVF-r6vQT6Axi5d--bXj4 |
| 86 | Mitul Chhipa | Internshala | 6 week | https://drive.google.com/open?id=1bf2zyEvyWbiBe9aGFYDSYEt5xi2j_drO |
| 87 | Mohit Mathur | Internshala | 6 weeks | https://drive.google.com/open?id=1qrqmXh7zn1QvaECd9AqBhB6_15tKBOMI |
| 88 | MONIKA SAINI | Internshala | 6 weeks | https://drive.google.com/open?id=1A8CoERyUfByxEwoHDpJPcJrXBqx1sjkP |
| 89 | Monika Saini | Internshala | 6 weeks | https://drive.google.com/open?id=1Begn0Srzi02LdNUI3QREO75lifTcM1xt |
| 90 | Muskan Bhattar | Internshala | 42 days | https://drive.google.com/open?id=1XkYR8pRNukcpgjDOW5yUkz6my8XUtYMA |
| 91 | Muskan Jalan | Internshala | 45 days | https://drive.google.com/open?id=1xdHxVv9oV0o2Q5_LFUDVK_s6WVLoK61R |
| 92 | Naman jain | Internshala | 38 days | https://drive.google.com/open?id=1WZ-Ye5ipyBUf7cdqIVjXPOVmAsmuxGSP |
| 93 | Nandini vyas | Internshala | 45 days | https://drive.google.com/open?id=1wXch_Q3xRV4HrvUVeIcJze7FWzz9U7nD |
| 94 | Nandini vyas | Internshala | 6 weeks | https://drive.google.com/open?id=1N2WhVpTpAq9Wmh_6F1didUiCdSeXciMs |
| 95 | NAVEEN SHARMA | Internshala | 8 week | https://drive.google.com/open?id=1sOtGoPjoVfKtVJ0G5xnSORxNh6kRIIsM |
| 96 | Nirali garg | Internshala | 45 days | https://drive.google.com/open?id=1xwXt5TGhmacwzHgDm1IjIxy16NkFcfBE |
| 97 | Parishi sharma | Internshala | 8 weeks | https://drive.google.com/open?id=15dbxirzUPcibGrVUtomf_tzhih1SSyP4 |



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| 98 | Parishi Sharma | Internshala | 8 weeks | https://drive.google.com/open?id=10NtjmmjRZM-yTwfGKeJXa4K96oSA1xGh |
| 99 | Parishi sharma | Internshala | 8 weeks | https://drive.google.com/open?id=1SnslhqypcbDpJU8A_NHVI4Fkwipg4ggN |
| 100 | PRATHAM MITTAL | Internshala | 45 | https://drive.google.com/open?id=14Z1gPJEiNer4Q-INsT4_ak1hlU0kdPXf |
| 101 | PRATYUSH AMRIT | Internshala | 60 | https://drive.google.com/open?id=1IpPo_5g2pB5iBF14qkRfCrSgvqyfv3kz |
| 102 | Pratyush Amrit | Internshala | 80 | https://drive.google.com/open?id=13FxmW0TyhyG4BsimNlzyYmOMXcmYG3K2 |
| 103 | Prinal Gupta | Internshala | 6 weeks | https://drive.google.com/open?id=1iFhWRIxQj3yyfTCjPW3yxqvYV0kOK7SN |
| 104 | Priyanshi Agrawal | Internshala | 6 weeks | https://drive.google.com/open?id=1zxNXPEZaBPbEflf0SyfpB1cGo_gbv11S |
| 105 | Pulkit khandelwal | Internshala | 8 week | https://drive.google.com/open?id=1XII-Kbi6lRdJ-TdQs-AOfjo75Q7kMgqp |
| 106 | Pulkit Khandelwal | Internshala | 8 week | https://drive.google.com/open?id=1kUu0S6HqMZgWk6HSInQ7DO76GJzqb-9s |
| 107 | Pulkit khandelwal | Internshala | 8 week | https://drive.google.com/open?id=1W4dEJy2J-gtupO6jep0vIFg9akgIpiT6 |
| 108 | Puneet kukkar | Internshala | 45 days | https://drive.google.com/open?id=1VBAIpRYXVRViObwnz0b4tbISgSzxh9la |
| 109 | Puneet kukkar | Internshala | 6 weeks | https://drive.google.com/open?id=1o7XC3EWcQ2oDTYUWkMqO3lo0SxoKSc3w |
| 110 | Rachit Bhargava | Internshala | 48 DAYS | https://drive.google.com/open?id=1Cv49zjrmYBk8F-3WYjWrNPK3YP39rzHb |
| 111 | Raghav agarwal | Internshala | 6 weeks | https://drive.google.com/open?id=1cJoXQKdGi41EbGixR2X2EjNXbh7pJG74 |
| 112 | Raghav agarwal | Internshala | 6 weeks | https://drive.google.com/open?id=1xxOutwE1fBWaJ9UvuFMoWyEN7EIUV5v- |
| 113 | Rahul danga | Internshala | 40 days | https://drive.google.com/open?id=19IMmmF1hqwVHsIyvswWYGp5XT_BkyTA1 |
| 114 | Rahul danga | Internshala | 40 days | https://drive.google.com/open?id=10SBLUTtcpprYwLGKCSg6Wv5ukKtFXi_y |
| 115 | Rajat jakhar | Internshala | 8week | https://drive.google.com/open?id=1gwCtzaPZh4j9zpm9a5F8gTli3wMzA8W0 |
| 116 | Rajat jakhar | Internshala | 8 weeks | https://drive.google.com/open?id=1H0yuXR_YnHvPjqoWZg0q9f9tYACI8peE_ |
| 117 | Rajshree Prajapati | Internshala | 1 half month | https://drive.google.com/open?id=1F2-HOS2oWfPyDaqd-Xi4dfu1yVutLKGK , https://drive.google.com/open?id=1AvkS5BmPi8EkUo2TM6NDCRyM0TbLjELH |



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| 118 | Rajshree Prajapati | Internshala | 1 half month | https://drive.google.com/open?id=1VuPXJkv7g_k4UipleMNpzNBynBpWqc8P |
| 119 | Rajshree Prajapati | Internshala | 45days | https://drive.google.com/open?id=1hqqY-sr1QHn4CNJg27y5fWVNqQxO1BYQ |
| 120 | Rajshree Prajapati | Internshala | 44days | https://drive.google.com/open?id=1SRtdGqpY_LeSp00nUv4Tm5K5ejFCfeDX |
| 121 | Rajshree Prajapati | Internshala | 6 weeks | https://drive.google.com/open?id=16NEhZsvYwQH4Z8CU_R5p8SvzAdDYj0ok |
| 122 | Ram jashnani | Internshala | 15 days | https://drive.google.com/open?id=1y49j4JULEm-dOGJGgV3x_wSDVwSOHeeb |
| 123 | Ranjeet Pankaj | Internshala | 45 day's | https://drive.google.com/open?id=1y42GBiikCpcMH9TcTorbhDdiByzqJWzO , https://drive.google.com/open?id=1GqWX8fgWW0PQtvYsGi48UXb4J50S1myL |
| 124 | Ranjeet Pankaj | Internshala | 45 day's | https://drive.google.com/open?id=1ICynY11GnpDJTIGCGgvU39NW6N_Vbx7 , https://drive.google.com/open?id=1wx1gd2Zow7eXLrJ2JWktFwZ19UhkNo2l |
| 125 | Ranjeet Pankaj | Internshala | 45 day's | https://drive.google.com/open?id=1hbmwWGRt098-tiD11ElhFK-Pp_AMuDQa |
| 126 | Ranjeet Pankaj | Internshala | 6 weeks | https://drive.google.com/open?id=1UY9A-TVSTy1TP2qLFS5EDZn-bfrUGN92 |
| 127 | Rashtrik Varnoti | Internshala | 6 week | https://drive.google.com/open?id=1jNaCO7rji7Wi-W_-iQa1TfbaKKspsl9 |
| 128 | Rishab jain | Internshala | 8 weeks | https://drive.google.com/open?id=1kXpJn3F5kBKdFdTz2dAFo0RXSu1tuYPv |
| 129 | Rishab jain | Internshala | 8 weeks | https://drive.google.com/open?id=1Ldfu_YeQxjPUHmHQz6VcNHirLbp5e0l2 |
| 130 | Rishabh Mahla | Internshala | 6 weeks | https://drive.google.com/open?id=16ZH05-zzwdunG45VbMmqkh0QTSnhxX7p |
| 131 | RITIK SHARMA | Internshala | 42 Days | https://drive.google.com/open?id=11DbqSO Du2bIIkECAv5KFB --N3NEMfSE |
| 132 | RITIK SHARMA | Internshala | 42 Days | https://drive.google.com/open?id=1VGP7MLbMp6wYbe2mB3YT5VTK4fsA9iSa |
| 133 | Rituraj Singh Rathore | Internshala | 6 week | https://drive.google.com/open?id=1lh_yeEQOnYK82FpVWTb4TzULaIfrEF-Y |
| 134 | Rituraj Singh Rathore | Internshala | 40 days | https://drive.google.com/open?id=1cRu_NqZ-DHhwX-RzBwXtbQvpPLOWrhs7 |
| 135 | Rohan kumar | Internshala | 42 days | https://drive.google.com/open?id=1wM_W6yerp9wkjVl6Q5B-V3VmJm3zOmRD |
| 136 | Rohan kumar | Internshala | 6 weeks | https://drive.google.com/open?id=1ePiMVG RG68YBgKKPvVKxQOM6HV4X9xD5 |



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| 137 | ROHITH KUMAR SAINI | Internshala | 1 month | https://drive.google.com/open?id=1mT891juK3vo20DdzgTpxFCTleraXZq86 |
| 138 | ROHITH KUMAR SAINI | Internshala | 1 month | https://drive.google.com/open?id=15Qqii-T3CPz1Sr7Px3uD0jNV75Wo0tT7 |
| 139 | Ronak Goyal | Internshala | 7 weeks | https://drive.google.com/open?id=1yJTbPnUXgt2J4pAsyYZTVdGgYPSxnaN4 |
| 140 | Ronak Goyal | Internshala | 42 days | https://drive.google.com/open?id=1S53ts0XoSCapxjX-HLaYUT5NcTJC_PBg |
| 141 | SACHIT BANSAL | Internshala | 6 weeks | https://drive.google.com/open?id=1fVPpQWOxP_bxE2w_Yk9C-4eNYdUG4iWd |
| 142 | Sagar Jain | Internshala | 45 days | https://drive.google.com/open?id=1jHrGKpgzcRPKOdr0-uiGqO268v6mIlls |
| 143 | SAKET SHARMA | Internshala | 3 months | https://drive.google.com/open?id=1iLNbtqiD J7v1OZIlobeDiAyyvehN1OgqvE |
| 144 | Saksham arya | Internshala | 6 weeks | https://drive.google.com/open?id=1pw_SUxLuaA_0fcFPpgoDMAUK6p0QuR0k |
| 145 | Sakshi Jaiswal | Internshala | 40 days | https://drive.google.com/open?id=1_bJxgZptaGOd5xEMRBAH5VqWDuN_iFWX |
| 146 | Sakshi Kansal | Internshala | 45 days | https://drive.google.com/open?id=1reEd7aOOzGg5Tp9-fls2NrwtQramuWQc |
| 147 | Sakshi Sharma | Internshala | 40 days | https://drive.google.com/open?id=1GZncOXTkHnOTbbY67-zDBsSQMRy0qJio |
| 148 | Sambhav Agarwal | Internshala | 6week | https://drive.google.com/open?id=18pcWflU4dayVhnKcHODF5IHVe9aUjZE |
| 149 | Sambhav Agarwal | Internshala | 6weeks | https://drive.google.com/open?id=19aJSDXyaBZU9bcTW1F22VMKGRvVO_rCR |
| 150 | Samiksha Mathur | Internshala | 40 days | https://drive.google.com/open?id=1_eVxqtfITxf4nO32c-IYMce4YihRM55 |
| 151 | Sanjay Saini | Internshala | 60 days | https://drive.google.com/open?id=1xxDJ9BI OgdPpDb4CaZe_PO5hj5UMgCLz |
| 152 | SHAIENDRA SINGH RANAWAT | Internshala | 6 weeks | https://drive.google.com/open?id=18u3Efga5fM19paQCKiAr8n1OKAp69tCv |
| 153 | Shalin Maloo | Internshala | 6 weeks | https://drive.google.com/open?id=15SHWLvx29Jo5MCT9OLfHGRkFc-bPZQzt , https://drive.google.com/open?id=1-ucK-0A4GvdxuXGOkUBgj5TbKOZ38xJX |
| 154 | Shalin Maloo | Internshala | 6 Week | https://drive.google.com/open?id=1eWuj4w0f8ehhbVsn3wIYUioLj4-xm89v |

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|-----|-----------------------------|-------------|-----------------------|---|
| 155 | Shavi bafna | Internshala | 6 weeks | https://drive.google.com/open?id=1yokiY7Ff1i9f3qWeHan7NAX_ECZuqVjg |
| 156 | SHIKHA JAT | Internshala | 6 weeks | https://drive.google.com/open?id=1nzGzi7hJwjKMZ1xeTOWesGZeD32F6pnw |
| 157 | Shikha jat | Internshala | 40 days | https://drive.google.com/open?id=1jYAzadRxl19WjwF2pUfEv1vMfuzIHH22 |
| 158 | Shivam Kalani | Internshala | 6 week | https://drive.google.com/open?id=1ke8kFnW0MsqVguIVgeYmWA_IwQmWgBIR |
| 159 | Shruti Mittal | Internshala | 2 months | https://drive.google.com/open?id=1O85rY7cswQW4lmOeQ84KFiNmQeEhMGH8 |
| 160 | Shruti Mittal | Internshala | 2 months | https://drive.google.com/open?id=1_Ip7Kj7WqaCkUhd05Z_AUK-j-2d1ZZy1 |
| 161 | Shubham Maheshwari | Internshala | 8 weeks | https://drive.google.com/open?id=1YgkeBS2h0yQDG4RzUnVk5X-A6oQkG60H |
| 162 | Shubham Maheshwari | Internshala | 8 weeks | https://drive.google.com/open?id=1cVGGomioYqM4DxsaHIsU-o_MWieEl2kV |
| 163 | somya singh | Internshala | 5-6 weeks | https://drive.google.com/open?id=18TTPhDT9SH-nDyESUCMn4d4TEupi0rrA |
| 164 | Subrata Pal | Internshala | 6-weeks | https://drive.google.com/open?id=1_Upu8rLa9nqNs0JCdhvR6aI9jKRHyMoA |
| 165 | Sudeshna Pal | Internshala | 1 month, 26 days | https://drive.google.com/open?id=1wJrB_9h8OB21euAITeiRW3RXjQNCfjJS |
| 166 | Sudeshna Pal | Internshala | 1 month,26 days | https://drive.google.com/open?id=1dxJdpN0WqmxbnrbrhAIwZIEDVL8MitGE |
| 167 | TAYADE AKSHAY ARUN | Internshala | 6- WEEKS | https://drive.google.com/open?id=1xp9dx8Ryn5KCJ--fwfB1LvIkWQ9tQtul |
| 168 | Tayade Akshay Arun | Internshala | 6-weeks | https://drive.google.com/open?id=1uqfjJhfcemUxpKhGSX2ILrw6NrU0KAMwL |
| 169 | Tayade Akshay Arun | Internshala | 6-weeks | https://drive.google.com/open?id=1zl8ACY-kPdIL8KvNhIWN2ukAPn8wfsyh |
| 170 | Teena Gurjar | Internshala | 56 days | https://drive.google.com/open?id=1wHcQbIQeyFQMEIbVC9mPq4fuOOQAt3T |
| 171 | Tejvrat Singh Chauhan | Internshala | 6 week | https://drive.google.com/open?id=100H8PZnnjnVKWbNe7FcSEipb7isJpaIo |
| 172 | Utkarsh jain | Internshala | 45 days | https://drive.google.com/open?id=16Yucp_5PoEgSLIEyg7o-D_EkZDiyyGjE |
| 173 | vaibhav kabra | Internshala | 45 days | https://drive.google.com/open?id=1ZHicI3Gmk2kXcidQ6y8aeDm7QdbSI-Fx |

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|-----|------------------------|-------------|-----------|---|
| 174 | Vansh Jain | Internshala | 45 Days | https://drive.google.com/open?id=1Jo_yC0qIA8053Dp0U9bDvz4eR2xJM-42 |
| 175 | Vansh Jain | Internshala | 45 days | https://drive.google.com/open?id=10QqX9uzXpYEsOlpPxoVL8K7k4l8mG0No |
| 176 | Vanshika soni | Internshala | 6 week | https://drive.google.com/open?id=19zhut0PKVkbFKgGeDrfFwKXICv63_yMK |
| 177 | Vanshita Rathore | Internshala | 6 weeks | https://drive.google.com/open?id=1pEOSRPunGBCZ3CIQ60Zn_1h0-xj_BPjM |
| 178 | vikas dubey | Internshala | 45 DAYS | https://drive.google.com/open?id=1vh0vGwGzBg0XE-zgOjcQLeOeepDgwtmN |
| 179 | Vipul khanna | Internshala | 8 weeks | https://drive.google.com/open?id=1n6AUgN ON_32SgZDpBKdP_V2QX7W8FQU4 |
| 180 | Vishal Jain | Internshala | 54 days | https://drive.google.com/open?id=1S-iGkMQ0csNmhzPULYhNeEGru_yvshxb |
| 181 | Vishal jain | Internshala | 6 weeks | https://drive.google.com/open?id=1DT2eYzB4F_U2MhDGEIYlkrpFQ5OJDOL7 |
| 182 | Vishal labana | Internshala | 30 days | https://drive.google.com/open?id=1Jj0dqXpMt8wWHbI96kvFW4WBrc_CX3UU |
| 183 | VRINDAA JOSHI | Internshala | 8 weeks | https://drive.google.com/open?id=1jysWVFJNXmp1B1vOMNVkbsMhUVwxiGbw |
| 184 | Yamini Kumawat | Internshala | Six weeks | https://drive.google.com/open?id=1Cc8WqJog46Lb2tjtrvIy772G_y-73uG |
| 185 | Yash Jain | Internshala | 45 days | https://drive.google.com/open?id=1rl2bjB4bHxyk31-ceChed5ai019fXEK M |
| 186 | Yash Soni | Internshala | 45 days | https://drive.google.com/open?id=1gWiCbnxd-g3GDf48iWXom69MC4OmUVjw |
| 187 | Yash Tank | Internshala | 1 months | https://drive.google.com/open?id=1IJHIQNgzdNnlAAU-a7VC6Uy3TbDI5_xm |
| 188 | Yashwant Tailor | Internshala | 6weak | https://drive.google.com/open?id=1xXZ0WF FO6A1PDB6nwr7bUfBIs-vVhUtY |
| 189 | YATHARTH SHARMA | Internshala | 2 months | https://drive.google.com/open?id=1Gxc2o1R-aactQhKkjSAiZGMiaFfLXx81 |
| 190 | Yuvraj Singh Shekhawat | Internshala | 6 weeks | https://drive.google.com/open?id=1O3TJFqA8cJ-ktzq0tR9gEA0gFmuVqvgv |
| 191 | JAYESH Jhadodiya | Internshala | 30 days | https://drive.google.com/file/d/1CNIHF39kL78KHHpNEhL30WVnN8i3gqBe/view?usp=sharing |
| 192 | Jitendra Singh Meena | Internshala | 45 days | https://drive.google.com/file/d/1gubVIdDZk4Wav68PkXOJJyPdWR1MQzr9/view?usp=sharing |



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|-----|------------------------|-------------|---------------------|--|
| 193 | Khwaish | Internshala | 40 days | https://drive.google.com/file/d/1A6vEKSwgEfnJ3Lav3B7DePd_8QGr12Dp/view?usp=sharing |
| 194 | Muskan Soni | Internshala | 6 weeks | https://drive.google.com/file/d/18bg-Gn2Swu_oddv7sdOUfBm6mW81TkHi/view?usp=sharing |
| 195 | Naman Agrawal | Internshala | 42 days | https://drive.google.com/file/d/1Q1fP_iNafawNlxNYiDzo1-osL_nYtSgm/view?usp=sharing |
| 196 | Nishant Dagar | Internshala | 40 days | https://drive.google.com/file/d/19hWcdLLVJdLP8mcjzc5JX2WrqCG7itM8/view?usp=sharing |
| 197 | SAMBHAV JAIN | Internshala | 70 days | https://drive.google.com/file/d/1IE8_ZVpjztUTkH6titTxMmDw7TVEQ5ct/view?usp=sharing |
| 198 | gaurav agrawal | Internshala | 6 weeks | https://drive.google.com/open?id=1GIZ85F3FO6NRFRjyXjbVHtpPkjNGhKEN |
| 199 | Harpreet Singh | Internshala | 40 days | https://drive.google.com/open?id=1K0Bie1hjlojxK2oTPOAMp0iWfpBZjULY |
| 200 | Himanshu Kapoor | Internshala | 60 days | https://drive.google.com/open?id=1M5cCV0IFT8jLl_abgWO5_27s2Kv9KrP |
| 201 | Himanshu Sahu | Internshala | 45days | https://drive.google.com/open?id=13G8zacdqWAvQcRdpW-iMGOaHivRYcL2w |
| 202 | Kushank Singh Sisodiya | Internshala | 1 month | https://drive.google.com/open?id=1ZWdBdWaCtTpV-rcdG3cwBKV34fmnnE-n |
| 203 | Manish Sharma | Internshala | 3 months | https://drive.google.com/open?id=1grfH1wI-7R4CBDHcMle30KMIhLmLVhe |
| 204 | Mohit Kumar Gupta | Internshala | 6 weeks | https://drive.google.com/open?id=16Ix9GK2HXSrqnmQDIVL0DuB3LaXKM2 |
| 205 | Mudit SInghal | Internshala | 25 days and 1 month | https://drive.google.com/open?id=1LVu87oTOGHZ0fM_dl9DMbIryG-8btOLT , https://drive.google.com/open?id=1tV3tDsiXSbdaz0SyGaJ-JjBVzAOPrrn1 |
| 206 | Pradhumn Singh Parihar | Internshala | 8 weeks | https://drive.google.com/open?id=16dexZUxLgzLTtvY3su2yrXOdSmQzHRP |
| 207 | Prateek Gautam | Internshala | 45 days | https://drive.google.com/open?id=1ELEwnYMzPkGAefOWpGAgGgO-yNgx5HL |
| 208 | Rajeev Soni | Internshala | 45 days | https://drive.google.com/open?id=17Z2AWJ9Gc0dZzyiNws1Nbup7n2s9lqvQ |



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|-----|-------------------------|-------------|----------|---|
| 209 | Rashi Gupta | Internshala | 45 DAYS | https://drive.google.com/open?id=1FVtgd17EV4ev_uOCBuYFCRHqHiDIYci |
| 210 | RASHI GUPTA | Internshala | 45 DAYS | https://drive.google.com/open?id=1HRw-1hR_uqEofW50bf57NQwSJ44LD8L8 |
| 211 | Ronak Mathur | Internshala | 45 Days | https://drive.google.com/open?id=1Lco3BW0yqzKcgFE0205rCIRtG8URddbQ |
| 212 | Saurabh Choudhary | Internshala | 45 Days | https://drive.google.com/open?id=1IBHXIt1uCj0x1UB-g-rs3sCZIwtXem98 |
| 213 | Saurabh Jain | Internshala | 42 days | https://drive.google.com/open?id=1N8vTWJPIPtZzW_S98X4CUaPAiJRzBXTW |
| 214 | Saurabh Jain | Internshala | 42 days | https://drive.google.com/open?id=1Fftu6D1FEvaQvQW4dMeoTVYrMfkFY9fI |
| 215 | Shubham Singh Rajput | Internshala | 6 weeks | https://drive.google.com/open?id=1lGfFo0lnLJElf3PeMAGAO29pnSFtjSqT |
| 216 | SHUBHAM SRIVASTAVA | Internshala | 45 DAYS | https://drive.google.com/open?id=1Y-Oc2NHtjYxJ7QZCU0w2qGBwiLmncGYx |
| 217 | Stuti Jain | Internshala | 50 DAYS | https://drive.google.com/open?id=1W11_Y9-0a9zx-1QUP-mRtaZloH1iOK7- |
| 218 | Vatsal Agarwal | Internshala | 1 month | https://drive.google.com/open?id=1_YsZzOEvgDSBvQXCld-2cKgTXWml6Cd |
| 219 | Vedant Surolia | Internshala | 6 weeks | https://drive.google.com/open?id=1jSvoQA8tf4yJo82mQFaVPOvWfJA-C8Y6 |
| 220 | Abhinav Singh Shekhawat | Internshala | 2months | https://drive.google.com/open?id=1MZkz_YR9vahgW_HmYMERg8G-x7S0nvat |
| 221 | Abhinav Singh Shekhawat | Internshala | 2 months | https://drive.google.com/open?id=1v5pcONZynku9dJFDGOGkcR8Y9Q2FTB0- |

Industrial Visit/Field Trip (2021-22)

| S.No. | Industrial Visit/Field Trip | Name of the collaborating agency with contact details | Name of the participant | Year of collaboration |
|-------|-----------------------------|---|--------------------------|-----------------------|
| 1 | Field Visit | Survey Camp to , Chandwaji, Jaipur | Hetram Sharma and others | March, 2022 |
| 2 | Field Visit | Visit to Jantar Mantar, Jaipur | Hetram Sharma and others | March, 2022 |
| 3 | Field Visit | Visit to, CDOS, Jaipur | Hetram Sharma and others | November, 2021 |
| 4 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Yogesh Dubey | 2022 |



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| 5 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Satya Prakash Saini | 2022 |
| 6 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Dr. Man Mohan Siddh | 2022 |
| 7 | FIELD TRIP | Bhartiya Skill Development University | Aarif Khan Pathan or 84 Students | 4/20/2022 |



Technical Event(2021-22)

| Events Name | Date | Event Description |
|---------------|-------------|--|
| ADAA | 18 MAY 2021 | Fashion is a way to experience life in front of your eyes. |
| Footloose | 18 MAY 2021 | Footloose was a three-phase solo dance competition. In the first round, the registered participants performed their prepared solo dance performances for one minute. |
| Bootstrapping | 19 MAY 2021 | Dance is the purest form of expression of all emotions. Some great words quote "Dance is the movement of the soul on rhythm." Dancing is a pious form of art cherished both by the performer and the viewer. |
| Navras | 19 MAY 2021 | A solo acting event where participants perform monoacts prepared by them. |
| Open-mic | 18 MAY 2022 | A solo event to showcase poetry, story telling or stand up comedy written by the participant themselves. |
| RapZap | 18 MAY 2022 | It was a solo round event in which rappers gave their rap performances with a time limit of 3 minutes. |
| Rockathon | 17 MAY 2022 | Rockathon was a group music band event. In this, the registered participants performed their prepared group band performances for |

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| | | fifteen minute each team. |
| Saare-Ga | 19 MAY 2022 | A solo singing event |

National and International Conference (2021-22)

| S# | Name of conference | Date | Level of conference | Relevance to Pos |
|----|--|-----------------------|---------------------|-----------------------------------|
| 1 | "RACON-22" | 7-8 June 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
| 2 | " ICAMCM-22" | 17-18 June 2022 | International | PO1, PO4, PO10, PSO1, PSO2 |
| 3 | 'Recent Trends and Smart Technologies in Electrical Engineering-2022' | 20.05.2022-21.05.2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
| 4 | Emerging Trends in Civil Engineering For Sustainable Development | | National | PO1, PO4, PO10, PSO1, PSO2 |
| 5 | Information Technology and Security Applications | May 14-15, 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
| 6 | Recent Innovations & Technological Development in Mechanical Engineering | 11-12 March, 2022 | International | PO1, PO4, PO10, PSO1, PSO2 |
| 7 | Futuristic Trends in Mechanical Engineering | 25-26 May, 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |



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| 8 | NCICT-22 | 28-29 May 2022 | National | PO1, PO4, PO10, PSO1, PSO2 |
|---|----------|----------------|----------|-----------------------------------|

- Conferences are the great way to learn about research and development going on in respective fields. Which inspired many students to publish their own research.
- It is also a great starting point for those students who want to pursue their career in research fields.

List of publications

| S.No. | Academic Year | No of Publications National Conference | No of Publications International Conference |
|-------|---------------|--|---|
| 1 | 2021-22 | 640 | 382 |

Utilization and its effectiveness:

- The overall aim of this review is to evaluate the effectiveness of self-directed learning on the professional development of students.
- Most of the students reached to a conclusion that self-learning process is an effective approach for learning but not more than the traditional method of teaching.
- Students are motivated to improve their initiation in reaching their goals.
- Students are able to scan through the reading material available to them.
- Many of the needs of students are best met by learning process. The students are encouraged to learn by themselves for their present and future needs.
- Students are able to do better in competitive examinations and get placed in suitable companies.

9.5 Career Guidance, Training, Placement(10)

(The institution may specify the facility, its management and its effectiveness for career guidance including counseling for higher studies, campus placement support, industry interaction for training/internship/placements, etc.)

Professional Guidance:

We provide opportunities to students to improve placement percentage like interactions with MNC, Exhibition to provide internship.

Campus Placement Support/Training:



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A training and placement cell is established and responsible for campus placement (off campus also) and training which improve students skills both technical and behavioral. A cell provides various opportunities for student placements and organizes sessions / training programs.

Training in Institute:

| <i>Year</i> | <i>Name of event</i> | <i>Object of event</i> | <i>No. of students participated</i> | <i>Date of event</i> |
|-------------|--------------------------------|---|-------------------------------------|----------------------|
| 2021-22 | Pre placement training by Face | Bridging gap between academics & Industry | 652 | 1/7/2021-18/8/2021 |

Entrepreneurship

Institute has a cell which improve entrepreneurship development skills in students by doing activities such as seminars, workshops and awareness camps.(Entrepreneurship and incubation).

- To improve Entrepreneurship skills in students.
- Cell conducts many workshops and awareness camps for students.
- Cell has incubation center and associated with startups.
- Cell schedules interactions with alumni startups.

Government Job Cell

Government job cell established in our institute in the year 2016, to prepare students towards different competitive examinations. In this cell we encourage and inspire students for competitive examination by doing activities like interactive sessions with central government head, NBS head.

Industry Visit

We schedule industry visits for students so they can see and learn technologies in industry also observe professional environment in industry. It helps to bridge gap between industry and academics. Students learn about latest platforms to be work upon.

Industrial Visit/Field Trip (2021-22)

| S.No. | Industrial Visit/Field Trip | Name of the collaborating agency with contact details | Name of the participant | Year of collaboration |
|--------------|------------------------------------|--|--------------------------------|------------------------------|
| 1 | Field Visit | Survey Camp to , Chandwaji, Jaipur | Hetram Sharma and others | March, 2022 |
| 2 | Field Visit | Visit to Jantar Mantar, Jaipur | Hetram Sharma and others | March, 2022 |
| 3 | Field Visit | Visit to, CDOS, Jaipur | Hetram Sharma and others | November, 2021 |



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| 4 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Yogesh Dubey | 2022 |
| 5 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Satya Prakash Saini | 2022 |
| 6 | Industrial Visit | Bhartiya Skill Development University, Jaipur | Dr. Man Mohan Siddh | 2022 |
| 7 | FIELD TRIP | Bhartiya Skill Development University | Aarif Khan Pathan or 84 Students | 4/20/2022 |

All round development:

Many technical events like conferences and workshops are organized in the institute to improve and present technical skills of students.

- National level competitions for students like Smart India Hackathon were held in institute.
- To prepare teams a faculty guide was assigned to a particular team and an intra college competition like JECRC hackathon was organized to check, improve technical skills level of shortlisted teams.

| S.No. | Year | Department | Name of the workshop/ seminar/Conferences | Number of Participants | Date (From – To) | Report Link |
|-------|---------|------------|--|------------------------|---------------------|----------------------|
| 1 | 2021-22 | ECE | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 164 | 05-06, October 2021 | Link |
| 2 | 2021-22 | ECE | One day Seminar on "Career Guidance & Future Opportunities After Engineering" | 68 | 24-02-2022 | Link |
| 3 | 2021-22 | ECE | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 123 | 2-3 February 2022 | Link |
| 4 | 2021-22 | ECE | National Conference "RACON-22" | 210 | 7-8 June 2022 | Link |



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| 5 | 2021-22 | ECE | International Conferences "ICAMCM-22" | 98 | 17-18 June 2022 | Link |
| 6 | 2021-22 | ECE | ATAL sponsored 5-Days FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | 128 | 3-7 January 2022 | Link |
| 7 | 2021-22 | ECE | One Day Workshop on "Learn to code, Design the future" | 116 | 3 March 2022 | Link |
| 8 | 2021-22 | ECE | Project Exhibition on Embedded System & Its Application | 112 | 8 December 2021 | Link |
| 9 | 2021-22 | ECE | 2Days Workshops on "AI/ML Algorithms & Applications in VLSI Design & Technology" | 45 | 28th 29th Nov 21 | Link |
| 10 | 2021-22 | ECE | 2Days Workshops on "Emerging Trends in Nanotechnology" | 41 | 21/08/2020-22/08/2020 | Link |
| 11 | 2021-22 | ECE | 3 Days Workshop on "Introduction of Python and Its application in various fields of Engineering" | 60 | 7th to 9th sept 2021 | Link |
| 12 | 2021-22 | ECE | 3 days workshop on "DevOps" | 45 | 7th to 9th feb 2022 | Link |
| 13 | 2021-22 | ECE | 3 days workshop on "Role of Angular JS in Web Development" | 41 | 20th to 22nd Sept 2021 | Link |
| 14 | 2021-22 | ECE | 3 days workshop on "basics of HTML and CSS" | 43 | 13th to 15th sept 2021 | Link |
| 15 | 2021-22 | ECE | 3Days workshop on "introduction to React for Advance Web Development" | 46 | 22nd to 25th feb 2022 | Link |

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|----|---------|-----|--|----|---------------------------|----------------------|
| 16 | 2021-22 | ECE | 3 Days workshop on Introduction of Embedded System and IoT | 60 | 8th-10 November 2021 | Link |
| 17 | 2021-22 | ECE | 3 Dyas Workshop on Advanced Internet of Things and cloud Solutions | 57 | 22th - 24th November 2021 | Link |
| 18 | 2021-22 | ECE | 3 Days hands on work shop on Applications of IoT in Robotics and Cloud Computing | 75 | 13th -15th December 2021 | Link |
| 19 | 2021-22 | ECE | 3 Days workshop on Designing and assembling of Quadcopter using Embedded System | 82 | 4th- 6th April 2022 | Link |
| 20 | 2021-22 | ECE | 3 Days workshop on Advanced Robotics Manufacturing using 3-D printing and its challenges | 72 | 25th- 27th April 2022 | Link |
| 21 | 2021-22 | ECE | Workshop on Machine Learning using Python | 55 | 9th-10th August 2021 | Link |
| 22 | 2021-22 | ECE | Workshop on Principles of Data Science | 63 | 26th-27th August 2021 | Link |
| 23 | 2021-22 | ECE | Workshop on Introduction to Deep Learning and its applications | 47 | 6th-7th January 2022 | Link |
| 24 | 2021-22 | ECE | Workshop on Role of Artificial Intelligence in Electronics Engineering | 56 | 18th-19th January 2022 | Link |
| 25 | 2021-22 | ECE | Workshop on MATLAB basics used in machine learning applications on Image Processing | 72 | 27th-28th January 2022 | Link |

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|----|---------|------------|---|-----|---------------------------------|----------------------|
| 26 | 2021-22 | ECE | Workshop on IOT | 55 | 24/01/2022 to 28/01/2022. | Link |
| 27 | 2021-22 | ECE | Two days workshop on Artificial Intelligence and Neural Network | 174 | 19-20 Jan,2021 | Link |
| 28 | 2021-22 | ECE | Design and Optimization of Solar PV System | 55 | 03/10/2021 to 07/10/2021 | Link |
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| 31 | 2021-22 | First Year | One Day Webinar on "Ethical Hacking & Information Security" | 94 | 14 February 2022 | Link |
| 32 | 2021-22 | First Year | Expert Talk on "Solid State Sulfur Batteries: An Alternate of Li-ion Battery" | 252 | 9 February 2022 | Link |
| 33 | 2021-22 | First Year | Two Days Workshop on Circuit Designing - (Phase I (ECE,EE)) | 150 | 10-11 Dec,2021 | Link |
| 34 | 2021-22 | First Year | Two Days Workshop on Circuit Designing - Phase II (CSE,IT) | 148 | 10-11 Jan.,2022 | Link |
| 35 | 2021-22 | First Year | Two Days Workshop on Circuit Designing - Phase III(AIDS, CE, ME) | 130 | 21-22 Jan.,2022 | Link |
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| 37 | 2021-22 | First Year | Two Days Workshop on Introduction of C Programming -Phase II (CSE,IT) | 160 | 4-6 April,22 | Link |

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| 38 | 2021-22 | First Year | Two Days Workshop on Introduction of C Programming -Phase III (AIDS, CE, ME) | 105 | 18-19 April,22 | Link |
| 39 | 2021-22 | First Year | Seminar on Sustainable Nano Carbons as potential sensors for safe waters-Phase I | 102 | 23 April 2022 | Link |
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| 45 | 2021-22 | CSE | NCICT-22 | 250 | 28-29 May 2022 | Link |
| 46 | 2021-22 | CSE | Workshop on Advance Python | 95 | 22 March 2022 | Link |
| 47 | 2021-22 | CSE | WORKSHOP ON DATA SCIENCE & ANALYTICS | 60 | April 26th , 2022 | Link |
| 48 | 2021-22 | CSE | Workshop on Machine Learning | 90 | 7th April 2022 | Link |
| 49 | 2021-22 | CSE | Workshop on Software Testing | 249 | 30th March,2022 | Link |
| 50 | 2021-22 | CSE | Workshop on Web Chat (Application Project) | 180 | 20-Apr-22 | Link |
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| 52 | 2021-22 | EE | One Day Seminar on "Career Seminar by Made Easy" | 45 | 30-04-2022 | Link |

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| 56 | 2021-22 | EE | Seminar on Engineer's Day | 38 | 15.9.2021 | Link |
| 57 | 2021-22 | EE | Guest Lecture on World Heart Day | 55 | 29.9.2021 | Link |
| 58 | 2021-22 | EE | two Days Workshop on Solar PV System | 26 | 27-28 Sep - 2021 | Link |
| 59 | 2021-22 | EE | Workshop on IOT and Python | 29 | 04.10.2021-18.10.2021 | Link |
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| 63 | 2021-22 | EE | 4th National Conference on 'Recent Trends and Smart Technologies in Electrical Engineering-2022' | 95 | 20.05.2022-21.05.2022 | Link |
| 64 | 2021-22 | CE | 4th National Conference on Emerging Trends in Civil Engineering For Sustainable Development | 25 | 17-18 June,2022 | Link |
| 65 | 2021-22 | CE | A Guest Lecture on "Importance of AutoCAD & 3ds Max" | 61 | 06Jan,2022 | Link |
| 66 | 2021-22 | CE | A Guest Lecture on "Importance of BIM & STAAD pro" | 69 | 08Jan,2022 | Link |



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| 67 | 2021-22 | CE | A Guest Lecture on "Importance of Civil Software & Internship | 44 | 04Jan,2022 | Link |
| 68 | 2021-22 | CE | 3D printing in Construction and Its Application for 2nd year students(Phase-1) | 23 | 08 Nov, 2021 to 09 Nov, 2021 | Link |
| 69 | 2021-22 | CE | 3D printing in Construction and Its Application for 3rd year students(Phase-2) | 25 | 10 Nov, 2021 to 11 Nov, 2021 | Link |
| 70 | 2021-22 | CE | 3D printing in Construction and Its Application for 4th year students(Phase-3) | 18 | 12th Nov., 2021 to 13th Nov. 2021 | Link |
| 71 | 2021-22 | CE | Online 3-day workshop on "Covid Carc and Immunity Enhancement | 500 | July 8-10, 2021 | Link |
| 72 | 2021-22 | CE | One Day Workshop on "Virtual Lab" | 765 | Oct.12,2021 | Link |
| 73 | 2021-22 | CE | Webinar on Scope of Cad and Structure Software in Civil Engineering | 19 | Mar 10, 2022 | Link |
| 74 | 2021-22 | IT | One Day Workshop on Digital Marketing with Website Design & Development | 65 | Oct 11, 2021 | Link |
| 75 | 2021-22 | IT | One Day Workshop on Machine Learning | 46 | Jan 25, 2022 | Link |
| 76 | 2021-22 | IT | Two Day Workshop on DevOpps | 66 | April 25-26, 2022 | Link |
| 77 | 2021-22 | IT | Webinar on Ethical Hacking and Cyber Security | 132 | Feb 12, 2022 | Link |
| 78 | 2021-22 | IT | Seminar on Career Counselling | 84 | March 30, 2022 | Link |
| 79 | 2021-22 | IT | Seminar On "Future Force in Salesforce" | 74 | April 9, 2022 | Link |
| 80 | 2021-22 | IT | 4th National Conference on Information | 90 | May 14-15, 2022 | Link |

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| | | | Technology and Security Applications | | | |
| 81 | 2021-22 | ME | 4th International Conference on Recent Innovations & Technological Development in Mechanical Engineering | 284 | 11-12 March, 2022 | Link |
| 82 | 2021-22 | ME | 6th National Conference on Futuristic Trends in Mechanical Engineering | 90 | 25-26 May, 2022 | Link |
| 83 | 2021-22 | ME | One Week Workshop on Hybrid and Advanced Electric Vehicles | 45 | 30.05.2022 to 04.06.2022 | Link |
| 84 | 2021-22 | ME | One Week Workshop on Conventional & Electric Two-Wheeler: A Comparison | 33 | 09.05.2022 to 15.05.2022 | Link |
| 85 | 2021-22 | ME | One Week Workshop on Battery Powered Vehicle: Working & Assembly | 37 | 04.05.2022 to 10.05.2022 | Link |
| 86 | 2021-22 | ME | One Week Workshop on Fundamentals and Application of Additive Manufacturing | 68 | 25.04.2022 to 30.04.2022 | Link |
| 87 | 2021-22 | ME | One Week Workshop on Additive Manufacturing: Different Technologies | 64 | 04.04.2022 to 09.04.2022 | Link |
| 88 | 2021-22 | ME | One Week Workshop on Modeling and Simulation Using Ansys | 35 | 07.02.2022 to 12.02.2022 | Link |
| 89 | 2021-22 | ME | One Week Workshop on SolidWorks: Design and Simulation | 45 | 17.01.2022 to 22.01.2022 | Link |

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|-----|---------|----|--|----|--------------------------|----------------------|
| 90 | 2021-22 | ME | One Week Workshop on E-Vehicles: Power Storage & Transmission System | 55 | 09.09.2021 to 15.09.2021 | Link |
| 91 | 2021-22 | ME | One Week Workshop on Parametric Modeling Using Creo: An Introduction | 40 | 09.09.2021 to 15.09.2021 | Link |
| 92 | 2021-22 | ME | One Week Workshop on Electric Vehicle | 45 | 01.09.2021 to 07.09.2021 | Link |
| 93 | 2021-22 | ME | One Week Workshop on Online AutoCAD for Engineers | 35 | 01.09.2021 to 07.09.2021 | Link |
| 94 | 2021-22 | ME | One Week Workshop on 3D Printing: An Introduction | 49 | 05.07.2021 to 10.07.2021 | Link |
| 95 | 2021-22 | ME | A Webinar on "Simulation and Development of Hybrid Electric Vehicle" | 47 | 09.09.2021 | Link |
| 96 | 2021-22 | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-1" | 41 | 09.10.2021 | Link |
| 97 | | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-2" | 41 | 16.10.2021 | |
| 98 | 2021-22 | ME | A Guest Lecture on "Design of Leaf Spring" | 64 | 24.11.2021 | Link |
| 99 | 2021-22 | ME | A Webinar on "E-vehicles: state of the art and prospects" | 48 | 15.01.2022 | Link |
| 100 | 2021-22 | ME | A Webinar on "Industry 4.0 & role of mechanical engineers" | 65 | 12.02.2022 | Link |
| 101 | 2021-22 | ME | A Webinar on "How to extend the roller bearing life cycle and improve its performance" | 48 | 15.02.2022 | Link |
| 102 | 2021-22 | ME | A Webinar on "Pressure Vessels" | 47 | 17.02.2022 | Link |



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|-----|---------|---------------|--|-----|--------------------------|----------------------|
| 103 | 2021-22 | ME | A Guest Lecture on "Career Opportunities for Graduate Engineers" | 42 | 30.03.2022 | Link |
| 104 | 2021-22 | ME | A Guest Lecture on "Refrigeration Accessories" | 40 | 04.04.2022 | Link |
| 105 | 2021-22 | ME | A Guest Lecture on "AutoCAD and CNC Software" | 40 | 13.05.2022 | Link |
| 106 | 2021-22 | IQAC | One week FDP on "NBA Accreditation through Outcome based Education" conducted by Media Eng. Dept. in association with JECRC IQAC cell. | 59 | 21/02/2022 to 25/02/2022 | Link |
| 107 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-1 | 15 | 23-26 Nov.,21 | Link |
| 108 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-2 | 9 | 21-24 Feb.,22 | |
| 109 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-3 | 9 | 21-23 March,22 | |
| 110 | 2021-22 | SRC | Webinar Meditation for Emotional Stability | 163 | 27-28 Aug, 2021 | Link |
| 111 | 2021-22 | SRC | One Week Online Workshop on Mediation Course I | 27 | 1-8 Sep, 2021 | Link |
| 112 | 2021-22 | SRC | Webinar on Enlightenment | 215 | 5-6 Oct, 2021 | Link |

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| 113 | 2021-22 | SRC | One Week Online Workshop on Mediation Course II | 14 | 8-14 Oct, 2021 | Link |
| 114 | 2021-22 | SRC | Three days Workshop on Exploring the Sub-Conscious | 12 | 21-23 Dec, 2021 | Link |
| 115 | 2021-22 | SRC | Webinar on Enhancing Emotionl Immunity | 324 | 21-25 Feb, 2022 | Link |
| 116 | 2021-22 | SRC | One Week Online Workshop on Meditation Course III | 97 | 3-7 March, 2022 | Link |
| 117 | 2021-22 | SRC | Webinar Study Techniques and Time Management | 153 | 18 April, 2021 | Link |
| 118 | 2021-22 | SRC | Expert Talk cum Seminar on Act of Goodness | 25 | 26 April, 2022 | Link |
| 119 | 2021-22 | SRC | One Week Online Workshop on Meditation Course IV | 110 | 1- 7 May, 2022 | Link |
| 120 | 2021-22 | SRC | Expert Talk cum Seminar on International Day of Yoga | 35 | 21 June, 2022 | Link |
| 121 | 2021-22 | AI DS | GUEST LECTURE ON MACHINE LEARNING USING PYTHON | 69 | November 15th , 2021 | Link |
| 122 | 2021-22 | AI DS | Workshop on Resume Building | 62 | 20th December 2021 | Link |
| 123 | 2021-22 | AI DS | AR Arena Session on Filter Making | 87 | 6th February 2022 | Link |
| 124 | 2021-22 | AI DS | VALORANT TOURNAMENT EVENT: Encouraging teamwork and Skill development program | 55 | 13/05/2022 | Link |
| 125 | 2021-22 | AI DS | Learning Program cum Workshop Wrap-Up Event | 60 | 22nd April 2022 | Link |

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|-----|---------|-------------------|--|------|-----------------------------------|----------------------|
| 126 | 2021-22 | AI DS | Workshop on Go Code | 60 | 14/4/2022 | Link |
| 127 | 2021-22 | AI DS | Seminar and quiz competition on National Science Day | 69 | February 28th 2022 | Link |
| 128 | 2021-22 | AI DS | Smart India Hackathon SIH 2022 | 390 | 25-26 March,2022 | Link |
| 129 | 2021-22 | Incubation cell | 4 Months Incubation Program cum workshop on Entrepreneurship | 280 | 24 th April- 31 st October | Link |
| 130 | 2021-22 | AI DS | Faculty Enablement Program on Artificial Intelligence | 2 | 06 June to 10 June 2022 | Link |
| 131 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-1) | 2 | 6 Sept to 10 Sept 2021 | Link |
| 132 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-2) | 3 | 21 Sept to 23 Sept 2021 | Link |
| 133 | 2021-22 | AI DS | Faculty Enablement Program on Programming Fundamentals of Python Using Spring Board Platform | 2 | 13 June to 17 June 2022 | Link |
| 134 | 2021-22 | AI DS | Student Development Program on Python, DBMS, OOPs, DSA and JAVA using Spring Board Platform | 271 | 10th January to 15th January 2022 | Link |
| 135 | 2021-22 | CSE,IT,ECE,ME,CEE | Access to Coding Ninjas Course Cum Workshop introduction to programming". | 1510 | April-June,2022 | Link |
| 136 | 2021-22 | College Level | 3 Days FDP on "DRONACHARYA-Teaching Skills for Building Excellence" | 27 | 26/04/2022 to 28/04/2022 | Link |

9.6. Entrepreneurship Cell (5)

Entrepreneurship cell is established in mentorship of Mr. Siddharth Chaturvedi, our College for encouraging and inspiring students for start-ups and entrepreneur. Various interactive sessions for students with alumni and start-up representative are organized to know the importance of being an entrepreneur and ways to get financial assistance to become an entrepreneur.

Cell is responsible for:

- Relationship with companies:
 - ❖ Company like celebal tech has visited our campus for 2017-18 batch placements and this company is owned by jecrc alumni.
 - ❖ Backbone softwares also visited jecrc campus and owned by JECRC alumni.(2010 batch)
- Motivate students, guide and help them in the same direction.

9.7. Co-curricular and Extra-curricular Activities (10)

Co-curricular Activities:

| |
|--|
| 3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the year 2021-22 |
|--|

| S.No. | Year | Department | Name of the workshop/ seminar/Conferences | Number of Participants | Date (From – To) | Report Link |
|-------|-------------|------------|---|---------------------------|---------------------------|----------------------|
| 1 | 2021- 22 | ECE | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 164 | 05-06, October 2021 | Link |
| 2 | 2021- 22 | ECE | One day Seminar on "Career Guidance & Future Opportunities After Engineering" | 68 | 24-02- 2022 | Link |
| 3 | 2021- 22 | ECE | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 123 | 2-3 February 2022 | Link |
| 4 | 2021- 22 | ECE | National Conference "RACON-22" | 210 | 7-8 June 2022 | Link |

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|----|---------|-----|--|-----|-------------------------|----------------------|
| 5 | 2021-22 | ECE | International Conferences " ICAMCM-22" | 98 | 17-18 June 2022 | Link |
| 6 | 2021-22 | ECE | ATAL sponsored 5-Days FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | 128 | 3-7 January 2022 | Link |
| 7 | 2021-22 | ECE | One Day Workshop on "Learn to code, Design the future" | 116 | 3 March 2022 | Link |
| 8 | 2021-22 | ECE | Project Exhibition on Embedded System & Its Application | 112 | 8 December 2021 | Link |
| 9 | 2021-22 | ECE | 2Days Workshops on "AI/ML Algorithms & Applications in VLSI Design & Technology" | 45 | 28th 29th Nov 21` | Link |
| 10 | 2021-22 | ECE | 2Days Workshops on "Emerging Trends in Nanotechnology" | 41 | 21/08/20 20-22/08/20 20 | Link |
| 11 | 2021-22 | ECE | 3 Days Workshop on "Introduction of Python and Its application in various fields of Engineering" | 60 | 7th to 9th sept 2021 | Link |
| 12 | 2021-22 | ECE | 3 days workshop on "DevOps" | 45 | 7th to 9th feb 2022 | Link |
| 13 | 2021-22 | ECE | 3 days workshop on "Role of Angular JS in Web Development" | 41 | 20th to 22nd Sept 2021 | Link |
| 14 | 2021-22 | ECE | 3 days workshop on "basics of HTML and CSS" | 43 | 13th to 15th sept 2021 | Link |
| 15 | 2021-22 | ECE | 3Days workshop on "introduction to React for Advance Web Development" | 46 | 22nd to 25th feb 2022 | Link |



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|----|---------|-----|--|----|---------------------------|----------------------|
| 16 | 2021-22 | ECE | 3 Days workshop on Introduction of Embedded System and IoT | 60 | 8th-10 November 2021 | Link |
| 17 | 2021-22 | ECE | 3 Days Workshop on Advanced Internet of Things and cloud Solutions | 57 | 22th - 24th November 2021 | Link |
| 18 | 2021-22 | ECE | 3 Days hands on workshop on Applications of IoT in Robotics and Cloud Computing | 75 | 13th - 15th December 2021 | Link |
| 19 | 2021-22 | ECE | 3 Days workshop on Designing and assembling of Quadcopter using Embedded System | 82 | 4th- 6th April 2022 | Link |
| 20 | 2021-22 | ECE | 3 Days workshop on Advanced Robotics Manufacturing using 3-D printing and its challenges | 72 | 25th- 27th April 2022 | Link |
| 21 | 2021-22 | ECE | Workshop on Machine Learning using Python | 55 | 9th-10th August 2021 | Link |
| 22 | 2021-22 | ECE | Workshop on Principles of Data Science | 63 | 26th- 27th August 2021 | Link |
| 23 | 2021-22 | ECE | Workshop on Introduction to Deep Learning and its applications | 47 | 6th-7th January 2022 | Link |
| 24 | 2021-22 | ECE | Workshop on Role of Artificial Intelligence in Electronics Engineering | 56 | 18th- 19th January 2022 | Link |
| 25 | 2021-22 | ECE | Workshop on MATLAB basics used in machine learning applications on Image Processing | 72 | 27th- 28th January 2022 | Link |
| 26 | 2021-22 | ECE | Workshop on IOT | 55 | 24/01/2022 to 28/01/2022. | Link |

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| 39 | 2021-22 | First Year | Seminar on Sustainable Nano Carbons as potential sensors for safe waters-Phase I | 102 | 23 April 2022 | Link |
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| 48 | 2021-22 | CSE | Workshop on Machine Learning | 90 | 7th April 2022 | Link |
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| 65 | 2021-22 | CE | A Guest Lecture on "Importance of AutoCAD & 3ds Max" | 61 | 06Jan,2022 | Link |

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| 66 | 2021-22 | CE | A Guest Lecture on "Importance of BIM & STAAD pro" | 69 | 08Jan,2022 | Link |
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| 70 | 2021-22 | CE | 3D printing in Construction and Its Application for 4th year students(Phase-3) | 18 | 12th Nov., 2021 to 13th Nov. 2021 | Link |
| 71 | 2021-22 | CE | Online 3-day workshop on "Covid Carc and Immunity Enhancement" | 500 | July 8-10, 2021 | Link |
| 72 | 2021-22 | CE | One Day Workshop on "Virtual Lab" | 765 | Oct.12,2021 | Link |
| 73 | 2021-22 | CE | Webinar on Scope of Cad and Structure Software in Civil Engineering | 19 | Mar 10, 2022 | Link |
| 74 | 2021-22 | IT | One Day Workshop on Digital Marketing with Website Design & Development | 65 | Oct 11, 2021 | Link |
| 75 | 2021-22 | IT | One Day Workshop on Machine Learning | 46 | Jan 25, 2022 | Link |
| 76 | 2021-22 | IT | Two Day Workshop on DevOpps | 66 | April 25-26, 2022 | Link |
| 77 | 2021-22 | IT | Webinar on Ethical Hacking and Cyber Security | 132 | Feb 12, 2022 | Link |
| 78 | 2021-22 | IT | Seminar on Career Counselling | 84 | March 30, 2022 | Link |



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| 79 | 2021-22 | IT | Seminar On “Future Force in Salesforce” | 74 | April 9, 2022 | Link |
| 80 | 2021-22 | IT | 4th National Conference on Information Technology and Security Applications | 90 | May 14-15, 2022 | Link |
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| 82 | 2021-22 | ME | 6th National Conference on Futuristic Trends in Mechanical Engineering | 90 | 25-26 May, 2022 | Link |
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| 85 | 2021-22 | ME | One Week Workshop on Battery Powered Vehicle: Working & Assembly | 37 | 04.05.2022 to 10.05.2022 | Link |
| 86 | 2021-22 | ME | One Week Workshop on Fundamentals and Application of Additive Manufacturing | 68 | 25.04.2022 to 30.04.2022 | Link |
| 87 | 2021-22 | ME | One Week Workshop on Additive Manufacturing: Different Technologies | 64 | 04.04.2022 to 09.04.2022 | Link |
| 88 | 2021-22 | ME | One Week Workshop on Modeling and Simulation Using Ansys | 35 | 07.02.2022 to 12.02.2022 | Link |
| 89 | 2021-22 | ME | One Week Workshop on SolidWorks: Design and Simulation | 45 | 17.01.2022 to 22.01.2022 | Link |



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|-----|---------|----|--|----|--------------------------|----------------------|
| 90 | 2021-22 | ME | One Week Workshop on E-Vehicles: Power Storage & Transmission System | 55 | 09.09.2021 to 15.09.2021 | Link |
| 91 | 2021-22 | ME | One Week Workshop on Parametric Modeling Using Creo: An Introduction | 40 | 09.09.2021 to 15.09.2021 | Link |
| 92 | 2021-22 | ME | One Week Workshop on Electric Vehicle | 45 | 01.09.2021 to 07.09.2021 | Link |
| 93 | 2021-22 | ME | One Week Workshop on Online AutoCAD for Engineers | 35 | 01.09.2021 to 07.09.2021 | Link |
| 94 | 2021-22 | ME | One Week Workshop on 3D Printing: An Introduction | 49 | 05.07.2021 to 10.07.2021 | Link |
| 95 | 2021-22 | ME | A Webinar on "Simulation and Development of Hybrid Electric Vehicle" | 47 | 09.09.2021 | Link |
| 96 | 2021-22 | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-1" | 41 | 09.10.2021 | Link |
| 97 | | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-2" | 41 | 16.10.2021 | |
| 98 | 2021-22 | ME | A Guest Lecture on "Design of Leaf Spring" | 64 | 24.11.2021 | Link |
| 99 | 2021-22 | ME | A Webinar on "E-vehicles: state of the art and prospects" | 48 | 15.01.2022 | Link |
| 100 | 2021-22 | ME | A Webinar on "Industry 4.0 & role of mechanical engineers" | 65 | 12.02.2022 | Link |
| 101 | 2021-22 | ME | A Webinar on "How to extend the roller bearing life cycle and improve its performance" | 48 | 15.02.2022 | Link |
| 102 | 2021-22 | ME | A Webinar on "Pressure Vessels" | 47 | 17.02.2022 | Link |



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| 103 | 2021-22 | ME | A Guest Lecture on "Career Opportunities for Graduate Engineers" | 42 | 30.03.2022 | Link |
| 104 | 2021-22 | ME | A Guest Lecture on "Refrigeration Accessories" | 40 | 04.04.2022 | Link |
| 105 | 2021-22 | ME | A Guest Lecture on "AutoCAD and CNC Software" | 40 | 13.05.2022 | Link |
| 106 | 2021-22 | IQAC | One week FDP on "NBA Accreditation through Outcome based Education" conducted by Media Eng. Dept. in association with JECRC IQAC cell. | 59 | 21/02/2022 to 25/02/2022 | Link |
| 107 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-1 | 15 | 23-26 Nov.,21 | Link |
| 108 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-2 | 9 | 21-24 Feb.,22 | |
| 109 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-3 | 9 | 21-23 March,22 | |
| 110 | 2021-22 | SRC | Webinar Meditation for Emotional Stability | 163 | 27-28 Aug, 2021 | Link |
| 111 | 2021-22 | SRC | One Week Online Workshop on Mediation Course I | 27 | 1-8 Sep, 2021 | Link |
| 112 | 2021-22 | SRC | Webinar on Enlightenment | 215 | 5-6 Oct, 2021 | Link |
| 113 | 2021-22 | SRC | One Week Online Workshop on Mediation Course II | 14 | 8-14 Oct, 2021 | Link |

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| 114 | 2021-22 | SRC | Three days Workshop on Exploring the Sub-Conscious | 12 | 21-23 Dec, 2021 | Link |
| 115 | 2021-22 | SRC | Webinar on Enhancing Emotional Immunity | 324 | 21-25 Feb, 2022 | Link |
| 116 | 2021-22 | SRC | One Week Online Workshop on Meditation Course III | 97 | 3-7 March, 2022 | Link |
| 117 | 2021-22 | SRC | Webinar Study Techniques and Time Management | 153 | 18 April, 2021 | Link |
| 118 | 2021-22 | SRC | Expert Talk cum Seminar on Act of Goodness | 25 | 26 April, 2022 | Link |
| 119 | 2021-22 | SRC | One Week Online Workshop on Meditation Course IV | 110 | 1-7 May, 2022 | Link |
| 120 | 2021-22 | SRC | Expert Talk cum Seminar on International Day of Yoga | 35 | 21 June, 2022 | Link |
| 121 | 2021-22 | AI DS | GUEST LECTURE ON MACHINE LEARNING USING PYTHON | 69 | November 15th, 2021 | Link |
| 122 | 2021-22 | AI DS | Workshop on Resume Building | 62 | 20th December 2021 | Link |
| 123 | 2021-22 | AI DS | AR Arena Session on Filter Making | 87 | 6th February 2022 | Link |
| 124 | 2021-22 | AI DS | VALORANT TOURNAMENT EVENT: Encouraging teamwork and Skill development program | 55 | 13/05/2022 | Link |
| 125 | 2021-22 | AI DS | Learning Program cum Workshop Wrap-Up Event | 60 | 22nd April 2022 | Link |
| 126 | 2021-22 | AI DS | Workshop on Go Code | 60 | 14/4/2022 | Link |

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| 127 | 2021-22 | AI DS | Seminar and quiz competition on National Science Day | 69 | February 28th 2022 | Link |
| 128 | 2021-22 | AI DS | Smart India Hackathon SIH 2022 | 390 | 25-26 March, 2022 | Link |
| 129 | 2021-22 | Incubation cell | 4 Months Incubation Program cum workshop on Entrepreneurship | 280 | 24th April-31st October | Link |
| 130 | 2021-22 | AI DS | Faculty Enablement Program on Artificial Intelligence | 2 | 06 June to 10 June 2022 | Link |
| 131 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-1) | 2 | 6 Sept to 10 Sept 2021 | Link |
| 132 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-2) | 3 | 21 Sept to 23 Sept 2021 | Link |
| 133 | 2021-22 | AI DS | Faculty Enablement Program on Programming Fundamentals of Python Using Spring Board Platform | 2 | 13 June to 17 June 2022 | Link |
| 134 | 2021-22 | AI DS | Student Development Program on Python, DBMS, OOPs, DSA and JAVA using Spring Board Platform | 271 | 10th January to 15th January 2022 | Link |
| 135 | 2021-22 | CSE,IT,EC E,ME,CE | Access to Coding Ninjas Course Cum Workshop introduction to programming". | 1510 | April-June, 2022 | Link |
| 136 | 2021-22 | College Level | 3 Days FDP on "DRONACHARYA-Teaching Skills for Building Excellence" | 27 | 26/04/2022 to 28/04/2022 | Link |

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Pre Placement Training/ Extra Technical Classes

| Year | Name of event | Object of event | No. of students participated | Date of event |
|---------|--------------------------------|--|------------------------------|--------------------|
| 2021-22 | Pre placement training by Face | <i>Bridging gap between academics & Industry</i> | 652 | 1/7/2021-18/8/2021 |



Alumni Session (2021-22)

Alumni Session: An alumni meet and greet session was organized

| S.No. | Name of Activity | Venue | D.O.A | No. of Invited Alumni | No. of Students |
|-------|------------------|---------|------------|-----------------------|-----------------|
| 1 | Meet & Greet | B-Block | 18/02/2022 | 1 | 50 |
| 2 | Meet & Greet | C-Block | 02/02/2022 | 1 | 50 |
| 3 | Meet & Greet | A-Block | 15/04/2022 | 1 | 40 |
| 4 | CORDS | Online | 14 | 123 | 25 |

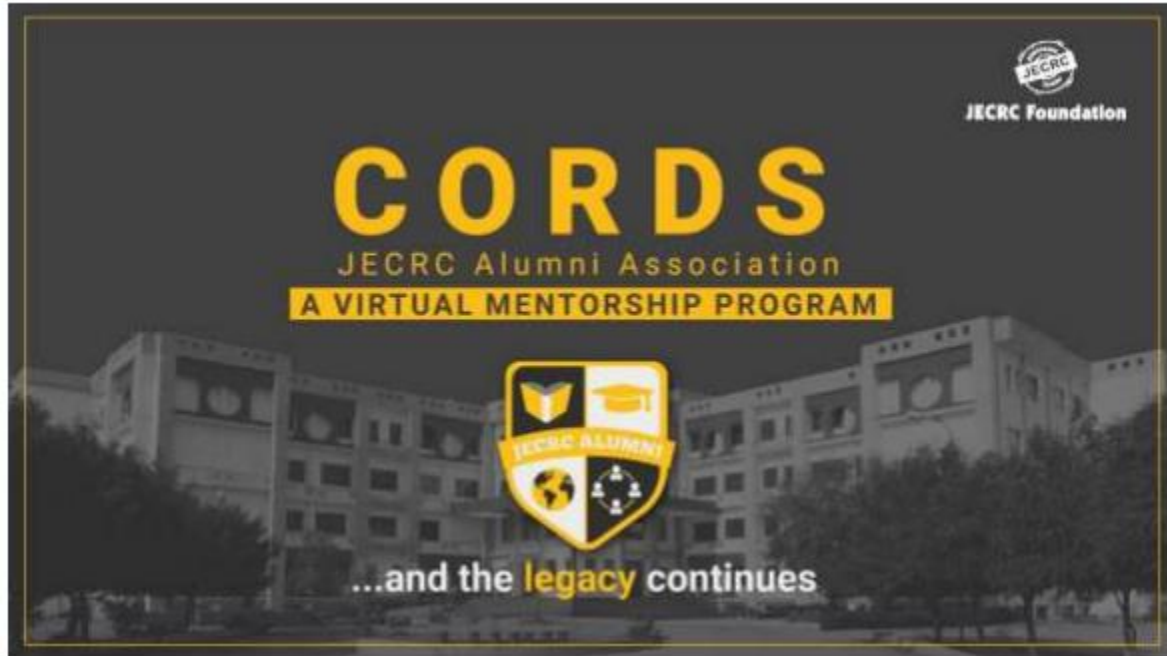
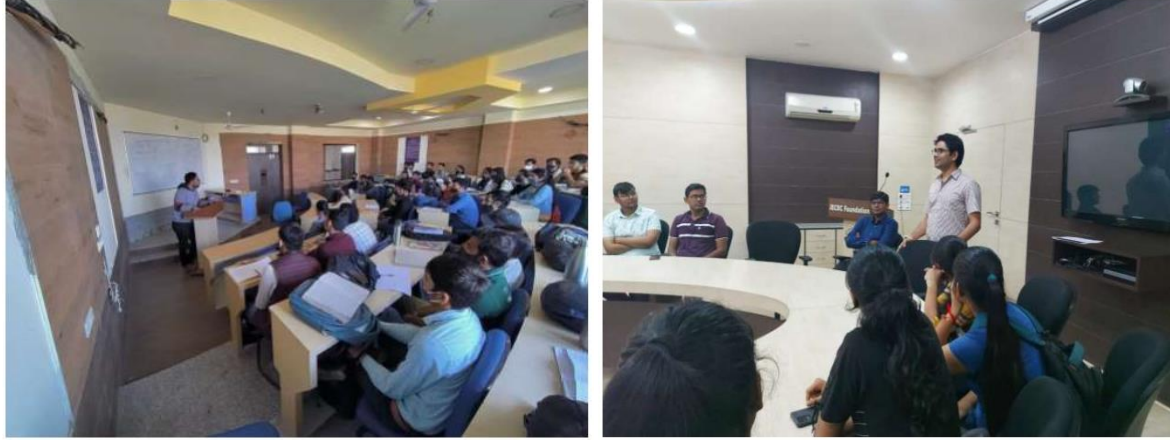
Alumni sessions were organized by mechanical department on 24 Aug & 27 Aug for the students eligible for upcoming placement drive of Accenture.

Two sessions were organized in this session and our Alumni of 2017 batch were among the motivational speakers. In first session on 24 Aug. was given by Mr. Rishil Gupta (got selected in Accenture & TTL) motivated the students and gave them the tips & techniques to get through the placements.

The second session on 27 Aug. was given by Mr. Anurag Verma who got placed in Accenture & Mr. Anshul Khandelwal who got selected in Accenture & TTL. Our Alumni shared

Department of Electronics & Communication Engineering

their experience of getting placed & the beautiful journey they had in JECRC and told the to believe in yourself and to remember if the situation is not going according to you than pick yourself up, re-mind yourself why you're amazing, and try again for a new role.



Extra Curricular activities:

Student's participation in National and International conferences, in Technical Workshops, Intra and Inter college competitions:

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the year 2021-22

| S.No. | Year | Department | Name of the workshop/ seminar/Conferences | Number of Participants | Date (From – To) | Report Link |
|-------|------|------------|---|------------------------|------------------|-------------|
|-------|------|------------|---|------------------------|------------------|-------------|



Department of Electronics & Communication Engineering

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|----|---------|-----|--|-----|-------------------------|----------------------|
| 1 | 2021-22 | ECE | 2-Days Workshop cum Hands-on Practice on "Embedded System" | 164 | 05-06, October 2021 | Link |
| 2 | 2021-22 | ECE | One day Seminar on "Career Guidance & Future Opportunities After Engineering" | 68 | 24-02-2022 | Link |
| 3 | 2021-22 | ECE | Two days National Seminar on "DEMYSTIFYING THE ROLE OF AI & CYBER SECURITY FOR INDUSTRY 5.0" | 123 | 2-3 February 2022 | Link |
| 4 | 2021-22 | ECE | National Conference "RACON-22" | 210 | 7-8 June 2022 | Link |
| 5 | 2021-22 | ECE | International Conferences " ICAMCM-22" | 98 | 17-18 June 2022 | Link |
| 6 | 2021-22 | ECE | ATAL sponsored 5-Days FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | 128 | 3-7 January 2022 | Link |
| 7 | 2021-22 | ECE | One Day Workshop on "Learn to code, Design the future" | 116 | 3 March 2022 | Link |
| 8 | 2021-22 | ECE | Project Exhibition on Embedded System & Its Application | 112 | 8 December 2021 | Link |
| 9 | 2021-22 | ECE | 2Days Workshops on "AI/ML Algorithms & Applications in VLSI Design & Technology" | 45 | 28th 29th Nov 21` | Link |
| 10 | 2021-22 | ECE | 2Days Workshops on "Emerging Trends in Nanotechnology" | 41 | 21/08/20 20-22/08/20 20 | Link |
| 11 | 2021-22 | ECE | 3 Days Workshop on "Introduction of Python and Its application in various fields of Engineering" | 60 | 7th to 9th sept 2021 | Link |



Department of Electronics & Communication Engineering

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|----|---------|-----|--|----|----------------------------|----------------------|
| 12 | 2021-22 | ECE | 3 days workshop on "DevOps" | 45 | 7th to 9th feb 2022 | Link |
| 13 | 2021-22 | ECE | 3 days workshop on "Role of Angular JS in Web Development" | 41 | 20th to 22nd Sept 2021 | Link |
| 14 | 2021-22 | ECE | 3 days workshop on "basics of HTML and CSS" | 43 | 13th to 15th sept 2021 | Link |
| 15 | 2021-22 | ECE | 3Days workshop on "introduction to React for Advance Web Development" | 46 | 22nd to 25th feb 2022 | Link |
| 16 | 2021-22 | ECE | 3 Days workshop on Introduction of Embedded System and IoT | 60 | 8th-10 Novemb er 2021 | Link |
| 17 | 2021-22 | ECE | 3 Dyas Workshop on Advanced Internet of Things and cloud Solutions | 57 | 22th - 24th Novemb er 2021 | Link |
| 18 | 2021-22 | ECE | 3 Days hands on work shop on Applications of IoT in Robotics and Cloud Computing | 75 | 13th - 15th Decemb er 2021 | Link |
| 19 | 2021-22 | ECE | 3 Days workshop on Designing and assembling of Quadcopter using Embedded System | 82 | 4th- 6th April 2022 | Link |
| 20 | 2021-22 | ECE | 3 Days workshop on Advanced Robotics Manufacturing using 3-D printing and its challenges | 72 | 25th- 27th April 2022 | Link |
| 21 | 2021-22 | ECE | Workshop on Machine Learning using Python | 55 | 9th-10th August 2021 | Link |
| 22 | 2021-22 | ECE | Workshop on Principles of Data Science | 63 | 26th- 27th August 2021 | Link |



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|----|---------|------------|---|-----|---------------------------|----------------------|
| 23 | 2021-22 | ECE | Workshop on Introduction to Deep Learning and its applications | 47 | 6th-7th January 2022 | Link |
| 24 | 2021-22 | ECE | Workshop on Role of Artificial Intelligence in Electronics Engineering | 56 | 18th-19th January 2022 | Link |
| 25 | 2021-22 | ECE | Workshop on MATLAB basics used in machine learning applications on Image Processing | 72 | 27th-28th January 2022 | Link |
| 26 | 2021-22 | ECE | Workshop on IOT | 55 | 24/01/2022 to 28/01/2022. | Link |
| 27 | 2021-22 | ECE | Two days workshop on Artificial Intelligence and Neural Network | 174 | 19-20 Jan,2021 | Link |
| 28 | 2021-22 | ECE | Design and Optimization of Solar PV System | 55 | 03/10/2021 to 07/10/2021 | Link |
| 29 | 2021-22 | ECE | Two days online workshop on "Workshop on Embedded and IOT" | 41 | 09/05/2022-10/05/2022 | Link |
| 30 | 2021-22 | ECE | A Seminar on " Robotics and automation in Industries" | 79 | 10 December 2021 | Link |
| 31 | 2021-22 | First Year | One Day Webinar on " Ethical Hacking & Information Security" | 94 | 14 February 2022 | Link |
| 32 | 2021-22 | First Year | Expert Talk on " Solid State Sulfer Batteries: An Alternate of Li-ion Battery" | 252 | 9 February 2022 | Link |
| 33 | 2021-22 | First Year | Two Days Workshop on Circuit Designing-(Phase I (ECE,EE)) | 150 | 10-11 Dec,2021 | Link |
| 34 | 2021-22 | First Year | Two Days Workshop on Circuit Designing -Phase II (CSE,IT) | 148 | 10-11 Jan.,2022 | Link |

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|----|---------|------------|---|-----|-------------------|----------------------|
| 35 | 2021-22 | First Year | Two Days Workshop on Circuit Designing -Phase III(AIDS, CE, ME) | 130 | 21-22 Jan.,2022 | Link |
| 36 | 2021-22 | First Year | Two Days Workshop on Introduction of C Programming -(Phase I (ECE,EE) | 140 | 24-25 March,22 | Link |
| 37 | 2021-22 | First Year | Two Days Workshop on Introduction of C Programming -Phase II (CSE,IT) | 160 | 4-6 April,22 | Link |
| 38 | 2021-22 | First Year | Two Days Workshop on Introduction of C Programming -Phase III (AIDS, CE, ME) | 105 | 18-19 April,22 | Link |
| 39 | 2021-22 | First Year | Seminar on Sustainable Nano Carbons as potential sensors for safe waters-Phase I | 102 | 23 April 2022 | Link |
| 40 | 2021-22 | First Year | Seminar on Sustainable Nano Carbons as potential sensors for safe waters-Phase II | 93 | 25 May 2022 | Link |
| 41 | 2021-22 | CSE | Workshop On Web Chat Bot (Voice Control Personal Assistant) | 177 | 12 August 2021 | Link |
| 42 | 2021-22 | CSE | Workshop on Machine learning with Python | 96 | 1 Septemb er 2021 | Link |
| 43 | 2021-22 | CSE | Workshop on Web development with Djanjo | 85 | 16 Novemb er 2021 | Link |
| 44 | 2021-22 | CSE | SDP Programming with C | 16 | 23-28 May 2022 | Link |
| 45 | 2021-22 | CSE | NCICT-22 | 250 | 28-29 May 2022 | Link |
| 46 | 2021-22 | CSE | Workshop on Advance Python | 95 | 22 March 2022 | Link |

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| 47 | 2021-22 | CSE | WORKSHOP ON DATA SCIENCE & ANALYTICS | 60 | April 26th , 2022 | Link |
| 48 | 2021-22 | CSE | Workshop on Machine Learning | 90 | 7th April 2022 | Link |
| 49 | 2021-22 | CSE | Workshop on Software Testing | 249 | 30th March, 2022 | Link |
| 50 | 2021-22 | CSE | Workshop on Web Chat (Application Project) | 180 | 20-Apr-22 | Link |
| 51 | 2021-22 | CSE | Workshop on Django | 97 | 5th May 2022 | Link |
| 52 | 2021-22 | EE | One Day Seminar on "Career Seminar by Made Easy" | 45 | 30-04-2022 | Link |
| 53 | 2021-22 | EE | One Day Webinar on "How to Crack GATE / PSU exams" | 59 | 29-04-2022 | Link |
| 54 | 2021-22 | EE | ICT based Short Term Course on 'Basics of hardware in loop Simulation'. | 8 | 02/05/2022 to 06/05/2022 | Link |
| 55 | 2021-22 | EE | Seminar on Teacher's Day | 35 | 06.9.2021 | Link |
| 56 | 2021-22 | EE | Seminar on Engineer's Day | 38 | 15.9.2021 | Link |
| 57 | 2021-22 | EE | Guest Lecture on World Heart Day | 55 | 29.9.2021 | Link |
| 58 | 2021-22 | EE | two Days Workshop on Solar PV System | 26 | 27-28 Sep - 2021 | Link |
| 59 | 2021-22 | EE | Workshop on IOT and Python | 29 | 04.10.2021-18.10.2021 | Link |
| 60 | 2021-22 | EE | Workshop on C Programming Language | 30 | 01.02.2022-28.02.2022 | Link |
| 61 | 2021-22 | EE | Seminar on National Science Day | 39 | 28.02.2022 | Link |

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|----|---------|----|--|-----|-----------------------------------|----------------------|
| 62 | 2021-22 | EE | Workshop on Embedded System | 33 | 01.03.2022 | Link |
| 63 | 2021-22 | EE | 4th National Conference on 'Recent Trends and Smart Technologies in Electrical Engineering-2022' | 95 | 20.05.2022-21.05.2022 | Link |
| 64 | 2021-22 | CE | 4th National Conference on Emerging Trends in Civil Engineering For Sustainable Development | 25 | 17-18 June,2022 | Link |
| 65 | 2021-22 | CE | A Guest Lecture on "Importance of AutoCAD & 3ds Max" | 61 | 06Jan,2022 | Link |
| 66 | 2021-22 | CE | A Guest Lecture on "Importance of BIM & STAAD pro" | 69 | 08Jan,2022 | Link |
| 67 | 2021-22 | CE | A Guest Lecture on "Importance of Civil Software & Internship" | 44 | 04Jan,2022 | Link |
| 68 | 2021-22 | CE | 3D printing in Construction and Its Application for 2nd year students(Phase-1) | 23 | 08 Nov, 2021 to 09 Nov, 2021 | Link |
| 69 | 2021-22 | CE | 3D printing in Construction and Its Application for 3rd year students(Phase-2) | 25 | 10 Nov, 2021 to 11 Nov, 2021 | Link |
| 70 | 2021-22 | CE | 3D printing in Construction and Its Application for 4th year students(Phase-3) | 18 | 12th Nov., 2021 to 13th Nov. 2021 | Link |
| 71 | 2021-22 | CE | Online 3-day workshop on "Covid Carc and Immunity Enhancement" | 500 | July 8-10, 2021 | Link |
| 72 | 2021-22 | CE | One Day Workshop on "Virtual Lab" | 765 | Oct.12,2021 | Link |
| 73 | 2021-22 | CE | Webinar on Scope of Cad and Structure Software in Civil Engineering | 19 | Mar 10, 2022 | Link |

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|----|---------|----|--|-----|--------------------------|----------------------|
| 74 | 2021-22 | IT | One Day Workshop on Digital Marketing with Website Design & Development | 65 | Oct 11, 2021 | Link |
| 75 | 2021-22 | IT | One Day Workshop on Machine Learning | 46 | Jan 25, 2022 | Link |
| 76 | 2021-22 | IT | Two Day Workshop on DevOpps | 66 | April 25-26, 2022 | Link |
| 77 | 2021-22 | IT | Webinar on Ethical Hacking and Cyber Security | 132 | Feb 12, 2022 | Link |
| 78 | 2021-22 | IT | Seminar on Career Counselling | 84 | March 30, 2022 | Link |
| 79 | 2021-22 | IT | Seminar On “Future Force in Salesforce” | 74 | April 9, 2022 | Link |
| 80 | 2021-22 | IT | 4th National Conference on Information Technology and Security Applications | 90 | May 14-15, 2022 | Link |
| 81 | 2021-22 | ME | 4th International Conference on Recent Innovations & Technological Development in Mechanical Engineering | 284 | 11-12 March, 2022 | Link |
| 82 | 2021-22 | ME | 6th National Conference on Futuristic Trends in Mechanical Engineering | 90 | 25-26 May, 2022 | Link |
| 83 | 2021-22 | ME | One Week Workshop on Hybrid and Advanced Electric Vehicles | 45 | 30.05.2022 to 04.06.2022 | Link |
| 84 | 2021-22 | ME | One Week Workshop on Conventional & Electric Two-Wheeler: A Comparison | 33 | 09.05.2022 to 15.05.2022 | Link |
| 85 | 2021-22 | ME | One Week Workshop on Battery Powered Vehicle: Working & Assembly | 37 | 04.05.2022 to 10.05.2022 | Link |
| 86 | 2021-22 | ME | One Week Workshop on Fundamentals and | 68 | 25.04.2022 to | Link |



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| | | | Application of Additive Manufacturing | | 30.04.20 22 | |
| 87 | 2021- 22 | ME | One Week Workshop on Additive Manufacturing: Different Technologies | 64 | 04.04.20 22 to 09.04.20 22 | Link |
| 88 | 2021- 22 | ME | One Week Workshop on Modeling and Simulation Using Ansys | 35 | 07.02.20 22 to 12.02.20 22 | Link |
| 89 | 2021- 22 | ME | One Week Workshop on SolidWorks: Design and Simulation | 45 | 17.01.20 22 to 22.01.20 22 | Link |
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| 91 | 2021- 22 | ME | One Week Workshop on Parametric Modeling Using Creo: An Introduction | 40 | 09.09.20 21 to 15.09.20 21 | Link |
| 92 | 2021- 22 | ME | One Week Workshop on Electric Vehicle | 45 | 01.09.20 21 to 07.09.20 21 | Link |
| 93 | 2021- 22 | ME | One Week Workshop on Online AutoCAD for Engineers | 35 | 01.09.20 21 to 07.09.20 21 | Link |
| 94 | 2021- 22 | ME | One Week Workshop on 3D Printing: An Introduction | 49 | 05.07.20 21 to 10.07.20 21 | Link |
| 95 | 2021- 22 | ME | A Webinar on "Simulation and Development of Hybrid Electric Vehicle" | 47 | 09.09.20 21 | Link |
| 96 | 2021- 22 | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-1" | 41 | 09.10.20 21 | Link |
| 97 | | ME | A Guest Lecture on "Boundary Layer-Heat Transfer Phase-2" | 41 | 16.10.20 21 | |



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| 98 | 2021-22 | ME | A Guest Lecture on "Design of Leaf Spring" | 64 | 24.11.2021 | Link |
| 99 | 2021-22 | ME | A Webinar on "E-vehicles: state of the art and prospects" | 48 | 15.01.2022 | Link |
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| 101 | 2021-22 | ME | A Webinar on "How to extend the roller bearing life cycle and improve its performance" | 48 | 15.02.2022 | Link |
| 102 | 2021-22 | ME | A Webinar on "Pressure Vessels" | 47 | 17.02.2022 | Link |
| 103 | 2021-22 | ME | A Guest Lecture on "Career Opportunities for Graduate Engineers" | 42 | 30.03.2022 | Link |
| 104 | 2021-22 | ME | A Guest Lecture on "Refrigeration Accessories" | 40 | 04.04.2022 | Link |
| 105 | 2021-22 | ME | A Guest Lecture on "AutoCAD and CNC Software" | 40 | 13.05.2022 | Link |
| 106 | 2021-22 | IQAC | One week FDP on "NBA Accreditation through Outcome based Education" conducted by Media Eng. Dept. in association with JECRC IQAC cell. | 59 | 21/02/2022 to 25/02/2022 | Link |
| 107 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-1 | 15 | 23-26 Nov.,21 | Link |
| 108 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training Programme cumworkshop Phase-2 | 9 | 21-24 Feb.,22 | |
| 109 | 2021-22 | College Level | AICTE-UKIERI Further Education Leadership and Management Training | 9 | 21-23 March,22 | |



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| | | | Programme cumworkshop Phase-3 | | | |
|-----|---------|-------|--|-----|-----------------------|----------------------|
| 110 | 2021-22 | SRC | Webinar Meditation for Emotional Stability | 163 | 27-28 Aug, 2021 | Link |
| 111 | 2021-22 | SRC | One Week Online Workshop on Mediation Course I | 27 | 1-8 Sep, 2021 | Link |
| 112 | 2021-22 | SRC | Webinar on Enlightenment | 215 | 5-6 Oct, 2021 | Link |
| 113 | 2021-22 | SRC | One Week Online Workshop on Mediation Course II | 14 | 8-14 Oct, 2021 | Link |
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| 115 | 2021-22 | SRC | Webinar on Enhancing Emotionl Immunity | 324 | 21-25 Feb, 2022 | Link |
| 116 | 2021-22 | SRC | One Week Online Workshop on Meditation Course III | 97 | 3-7 March, 2022 | Link |
| 117 | 2021-22 | SRC | Webinar Study Techniques and Time Management | 153 | 18 April, 2021 | Link |
| 118 | 2021-22 | SRC | Expert Talk cum Seminar on Act of Goodness | 25 | 26 April, 2022 | Link |
| 119 | 2021-22 | SRC | One Week Online Workshop on Meditation Course IV | 110 | 1- 7 May, 2022 | Link |
| 120 | 2021-22 | SRC | Expert Talk cum Seminar on International Day of Yoga | 35 | 21 June, 2022 | Link |
| 121 | 2021-22 | AI DS | GUEST LECTURE ON MACHINE LEARNING USING PYTHON | 69 | Novemb er 15th , 2021 | Link |
| 122 | 2021-22 | AI DS | Workshop on Resume Building | 62 | 20th Decemb er 2021 | Link |

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|-----|---------|-----------------|--|-----|-------------------------|----------------------|
| 123 | 2021-22 | AI DS | AR Arena Session on Filter Making | 87 | 6th February 2022 | Link |
| 124 | 2021-22 | AI DS | VALORANT TOURNAMENT EVENT: Encouraging teamwork and Skill development program | 55 | 13/05/2022 | Link |
| 125 | 2021-22 | AI DS | Learning Program cum Workshop Wrap-Up Event | 60 | 22nd April 2022 | Link |
| 126 | 2021-22 | AI DS | Workshop on Go Code | 60 | 14/4/2022 | Link |
| 127 | 2021-22 | AI DS | Seminar and quiz competition on National Science Day | 69 | February 28th 2022 | Link |
| 128 | 2021-22 | AI DS | Smart India Hackathon SIH 2022 | 390 | 25-26 March, 2022 | Link |
| 129 | 2021-22 | Incubation cell | 4 Months Incubation Program cum workshop on Entrepreneurship | 280 | 24th April-31st October | Link |
| 130 | 2021-22 | AI DS | Faculty Enablement Program on Artificial Intelligence | 2 | 06 June to 10 June 2022 | Link |
| 131 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-1) | 2 | 6 Sept to 10 Sept 2021 | Link |
| 132 | 2021-22 | AI DS | TTT Program on Java Programming Using Spring Board Platform (Phase-2) | 3 | 21 Sept to 23 Sept 2021 | Link |
| 133 | 2021-22 | AI DS | Faculty Enablement Program on Programming Fundamentals of Python Using Spring Board Platform | 2 | 13 June to 17 June 2022 | Link |
| 134 | 2021-22 | AI DS | Student Development Program on Python, DBMS, OOPs, DSA and | 271 | 10th January to 15th | Link |



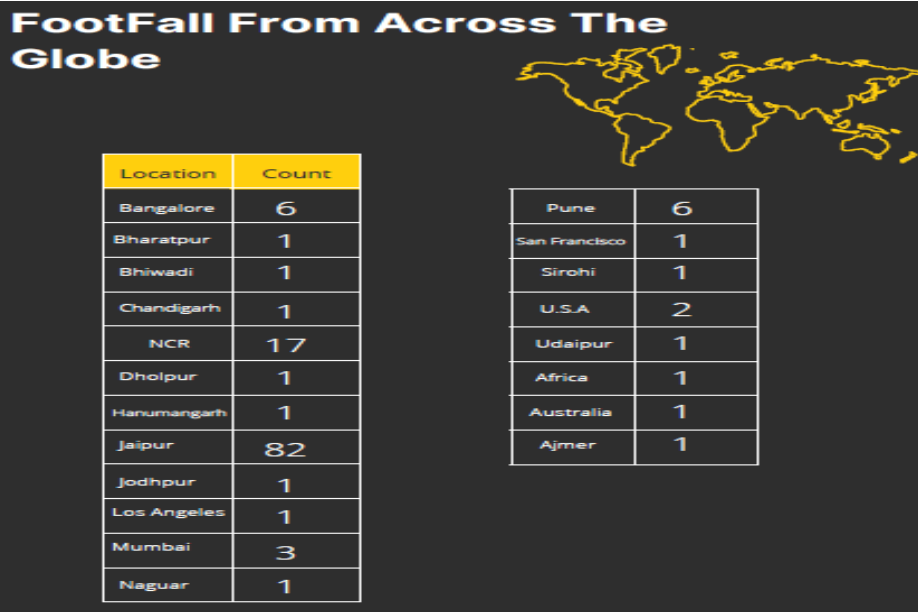
Department of Electronics & Communication Engineering

| | | | | | | |
|-----|---------|----------------------|--|------|--------------------------|----------------------|
| | | | JAVA using Spring Board Platform | | January 2022 | |
| 135 | 2021-22 | CSE,IT,EC E,ME,CE | Access to Coding Ninjas Course Cum Workshop introduction to programming". | 1510 | April-June,2022 | Link |
| 136 | 2021-22 | College Level | 3 Days FDP on "DRONACHARYA- Teaching Skills for Building Excellence" | 27 | 26/04/2022 to 28/04/2022 | Link |

JECRC Alumni Activities

Alumni Session: An alumni meet and greet session was organized

| S.No. | Name of Activity | Venue | D.O.A | No. of Invited Alumni | No. of Students |
|-------|------------------|---------|------------|-----------------------|-----------------|
| 1 | Meet & Greet | B-Block | 18/02/2022 | 1 | 50 |
| 2 | Meet & Greet | C-Block | 02/02/2022 | 1 | 50 |
| 3 | Meet & Greet | A-Block | 15/04/2022 | 1 | 40 |
| 4 | CORDS | Online | 14 | 123 | 25 |



About the Event

An Alumni Evening was held on the 7th of May 2022 Saturday in JECRC Campus with alumni of 2004-16 batches along with their spouse & Kids this event witnessed a huge footfall of around 250 people and became one of the biggest alumni meets after the pandemic. Alumni networking was the primary aim of this meet-up, as well as socializing with peers and the college. Many alumni shared their journey and experience and relived their old college days.

**Quick
Overview**



Total Footfall-258
Total Expenditure- 5,29,392

Pre Event Activities

| Date | Activity | Platform |
|------------|--|---------------------|
| 16/04/2022 | Launch Post | Linkedin & Facebook |
| 21/04/2022 | Faculty Video(Ms.Rekha Mithal) | Linkedin & Facebook |
| 22/04/2022 | Faculty Video(Dr.Barkha & Dr.Ruchi) | Linkedin & Facebook |
| 23/04/2022 | Faculty Video(Mr.Amit Mithal) | Linkedin & Facebook |
| 04/05/2022 | Faculty Video(Mr.Kuldeep & Dr.M.P Singh) | Linkedin & Facebook |
| 26/04/2022 | Alumni Video(Ajay Varshney) | Linkedin & Facebook |
| 28/04/2022 | Alumni Video(Shyam Sunder Goyal) | Linkedin & Facebook |
| 04/05/2022 | Reminder Post(3 Days to go) | Linkedin & Facebook |
| 18/04/2022 | Invitation Mail | Portal |
| 06/05/2022 | litinerary Mail | E-Mail & Whatsapp |

Post Event Activities

| Date | Activity | Platform |
|------------|--------------|----------------|
| 08/05/2022 | 5 Reels | Instagram |
| 08/05/2022 | 3 Post | Instagram |
| 09/05/2022 | After Movie | Instagram |
| 07/05/2022 | 3 Live | Facebook |
| 08/05/2022 | 1 Post | Facebook |
| 09/05/2022 | 1 Post | Facebook |
| 09/05/2022 | After Movie | Facebook |
| 10/05/2022 | 1 Post | Linkedin |
| 09/05/2022 | News Article | Event Bedhadak |



Department of Electronics & Communication Engineering



Department of Electronics & Communication Engineering





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10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

10.1.1. State the Vision and Mission of the Institute

VISION AND MISSION

VISION

- To become a renowned centre of outcome based learning and work toward academic, professional, cultural and social enrichment in the lives of individuals and communities.

MISSION

- Focus on evaluation of learning outcome and motivate students to inculcate research aptitude by project based learning.
- Identity based on informed perception of Indian, regional and global needs, the areas of focus and provide platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and industry.
- Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

V. [Signature]
PRINCIPAL
Jaipur Engineering College &
Research Center
Tonk Road, Jaipur - 303 905

10.1.2. Governing body, administrative setup, functions of various bodies, servicerules, procedures, recruitment and promotional policies

2019-2020

Department of Electronics & Communication Engineering



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Ref: JECRC/REG/2019-20/108

Date: 31/07/2019

| Composition of Board of Governors On University Affiliated Institutions 2019-20 | | | | | | | |
|---|----------|--|---------------|-------------------------------|-------------------|-------------------------------|--|
| Name | Position | Category | Qualification | Present professional position | Telephone numbers | E-mail | Address |
| Dr. Vinay Kumar Chandna | Chairman | Principal | Ph.D. | Principal | 9891406784 | principal@gmail.com | A-104, Aasha Deep Green Avenue Gyan Vihar University, jagatpura Jaipur |
| Mr. M.L. Sharma | Member | Vice Chairman | UG | Vice Chairman | 9414279663 | vc@jecrc.ac.in | F-30 Major Shaitan singh colony shastri Nagar Jaipur |
| Mr. Manish Jain | Member | Senior faculty member of the college | M.Tech. | Professor | 9214399647 | manishjain@jecrc.ac.in | 13/22, Malviya Nagar Jaipur |
| Dr. Umesh Kumar Pareek | Member | Senior faculty member of the college | Ph.D. | Professor | 9785506667 | ukpareek69@yahoo.co.in | Near CTS Bus Stand, Vyason Ka Mohalla, Sanganer, Jaipur (Raj)-2732271 |
| Nominee of the State Govt./UT | Member | | | | | | |
| Dr. Rajeev Gupta | Member | Senior faculty member from university/other college | Ph.D. | Professor | 9414596958 | rajeev_eck@yahoo.com | RTU, Kota |
| Forsk Technology (Dr. Sylvester Fernandes) | Member | Industrial expert in the field of engg. and technology | Ph.D. | Director | 0141-2770232 | info@forsk.in | M-5, Software Building, IT Park, Industrial Area EPIP, Sitapura, Jaipur 302022 |
| CADD Centre Services Pvt. Ltd. Chennai | Member | Industrial expert in the field of engg. and technology | M.Tech | CADD Centre | 0141-4002023 | rj.jairajapark@caddcentre.com | Door No. 106-107, Ram Gali No. 6, Mahima Majesty, Raja Park, Jaipur |
| Mr. Amit Agrawal | Guest | | | | 0141-2770803 | amit@jecrcmail.com | 25, shri Rampura Colony civil line Jaipur |

Prof. (Dr.) Vinay Kumar Chandna

Principal

PRINCIPAL
Jaipur Engineering College & Research Centre
Tonk Road, Jaipur-302022

CC to:

1. Director
2. Registrar
3. All Departmental HoD's
4. Accounts Office
5. OS
6. Library



JECRC Foundation
www.jecrcfoundation.com

Jaipur Engineering College and Research Centre

Approved by AICTE & Affiliated to RTU

JECRC Campus, Shri Ram Ki Nangal,

Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022

t: 0141 2770120, 2770232 f: 0141,2770803 e: info@jecrcmail.com

Functions and Responsibilities



Department of Electronics & Communication Engineering

Governance of JECRC is the collective efforts of the following towards achieving mission and vision:

Board of Governors JECRC: - The institute governing body (NSERD) regularly meets to discuss various decisions and actions taken are analyzed. All the minutes of the meeting are presented in institute BOG as per AICTE from time to time and institute performance also presented.

Chairman: The in-charge of NSERD of the institute.

Vice-Chairman: - Vice-chairman stands in for the Chairman in his or her absence. And also manage all the responsibilities related to the organization and gives suggestion to the growth of the organization.

Vice-chairperson: - Vice-chairperson also stands in for chairman in his absence.

Sr. Advisor: - Are a former administrative officer and regularly interacts with various bodies.

Principal: As Head of the Institution, he shall exercise his authority for institution building. He will act as a Competent Authority for all Faculty Members and office staff and be responsible for overall human resource management of their appointment, utilization, retrenchment, termination, disciplinary action. Etc. He will exercise signing powers as Competent Authority.

IQAC: Internal Quality Assurance Cell takes the sole responsibility of enhancing prosperity and viability of institution by remaining vigilant about the quality of the education and other aspects with respect to grievance, maintenance, outreach, placement, etc.

Head of the Departments: HOD is the programme coordinator and implements all the rules and regulations of affiliating university / AICTE within the department. His responsibility includes preparing a budget, managing resources, coordinate with institutes/industries, repute for the benefits of faculty and students. He is having special financial empowerment to deal with exigencies in the department.

Faculty Members: They ensure effective curriculum delivery along with participation and organize various technical and non-technical activities in the department.

Director T&P:- Is responsible for Training and placement related issues in the campus

Staff: Technical staff members work for the smooth and functioning of laboratories and non- technical staff members handle administrative assistance.

Students: They organize and participate in technical and non-technical activities under the mentorship of faculty members.

Maintenance In-charge: Is responsible for maintenance related issues on the campus.

Alumni In-charge: It brings together a wealth of talented and capable professionals who share their expertise and experience, and brainstorm on the prospective avenues.

Registrar: Deals with the implementation of policies of regulating bodies and an affiliating university.

Chief Executive officer is responsible for comfortable lodging and boarding of all the students residing inhostels within the campus.

Librarian: Is responsible for selecting, developing, cataloging, and classifying library resources.

Accounts Officer: The Account Officer looks after the financial resources of the institute.


PRINCIPAL
Jipur/Engineering College &
Research Centre
Tink Road, Jipur-501012



Department of Electronics & Communication Engineering

Decentralisation of power and participative management of the institute shown by below Organogram

Some responsibilities of few Important Administrative bodies are given below. The same can be found in JECRC Faculty Handbook

1) NSERD(National Society for Engineering Research and Development Jaipur).

Members of society are governing body members include chairman vice chairman secretary, advisor and principal JECRC as invite member. The society member approve all the financial implementation to the institute and also look after the progress of institute from time to time and based on that approval and advise to the institute head is provided by society.

Delegation of Powers to the various Authorities:

The Chairman, JECRC Foundation, and the National Society for Engineering Research and Development, has directed me to convey the delegation of powers to the various authorities working in the NSERD promoted institutions. Our Esteemed Chairman is of the view that the College Principal and the Registrar should have adequate powers so that they are in a position to comply with the requirements of the regulatory and supervising bodies, and conduct day-to-day affairs in a positive and peaceful manner, under their own authority and signatures.

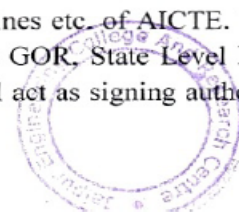
With a view to ensuring smooth and unambiguous functioning of the colleges, viz., Jaipur Engineering College And Research Centre and the delegated powers / authority are detailed hereunder

Principal

- As Head of the Institution, he shall exercise his authority for institution building. He will act as Competent Authority for all Faculty Members and Officer staff and be responsible for overall human resource management their appointment, utilization, retrenchment, termination, disciplinary action. etc. He will exercise signing powers as Competent Authority.
- He will act as superintendent and guide for all items of work related to AICTE RTU (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies.
- Establish a climate in which faculty members and the students can develop self-discipline, and promote research.
- To formulate the Budget and assess the infrastructural and other requirements well in advance and get the same approved from the Secretary, NSERD before execution.
- Impress amount of Rs. 1,00,000/- (Rs One Lakh Only) is also delegated for routine exercise.

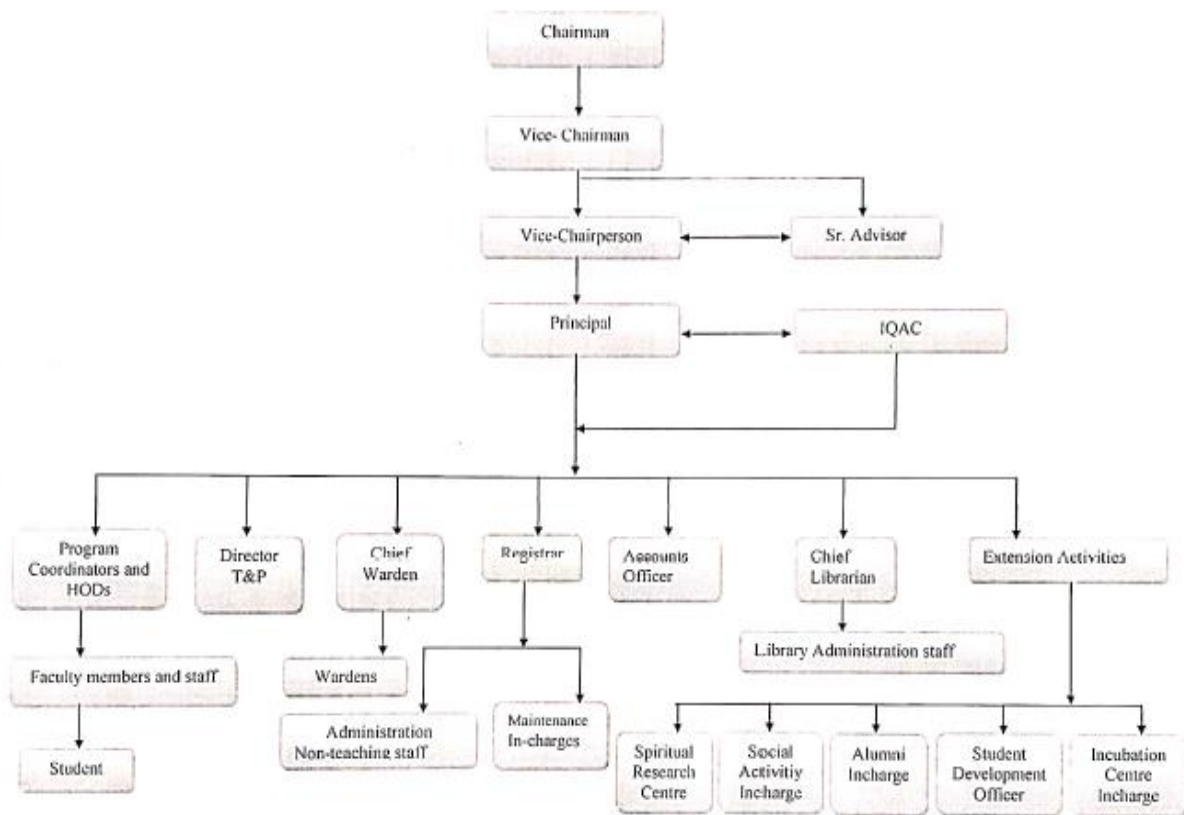
Registrar

- He shall act Competent Authority for all office and sub-staff, and exercise signing powers as competent authority for their appointment, utilization, retrenchment, termination, disciplinary action. etc.
- He shall act as Compliance Officer to fulfill the regulatory guidelines etc. of AICTE. Will (Affiliating University), UGC, MHRD, Technical Education Department GOR, State Level Fees Determination Committee, and other regulatory or higher bodies. He shall act as signing authority



Department of Electronics & Communication Engineering

Organization Chart



PRINCIPAL
 Jaipur Engineering College &
 Research Centre
 Tonk Road, Jaipur-302002



Jaipur Engineering College and Research Centre
 Approved by AICTE & Affiliated to RTU
 JECRC Campus, Shri Ram Ki Nangal,



in all such matters.

- The Registrar shall be the custodian of records and property of the college, and be directly responsible to the Director/Principal of the College for the proper discharge of his duties and functions, and exercise such other powers and perform such other duties as may be assigned to him by the Director/Principal.
- In the absence of Director / Principal, all powers shall vest in Registrar and he shall exercise the authority and signing powers of the Principal including Competent Authority for Faculty Members, etc.

2) Board of Governors (BoG)

The trust and society has a Board of Governors which assists Board of trustees for management of the college activities. The of Governance also comprises of scientists of national repute, renowned academicians and eminent personalities from Industry. The committee assumes a role of Intellectual leadership and evaluates new scientific perspectives. It evolves policies and strategies for generation of innovations and development of technical programs. The main work of this committee is to give vision about new technology and courses that are to be initiated at the trust. It comprises of the Chairman, Member Secretary and the principals of and various institutes.

In addition the BoG shall have:

Board of governance as per AICTE that include chairman, head of institute as secretary, 2-5 senior faculty members , nominated members from AICTE, affiliating university, state of government, invited members from other universities, invited parents, invited industry person,

Its Primary responsibilities include

Secretary present the report of institute as :-

- Planning and policy development
- Review of non –budgeted expenditures
- Approval of major infrastructural changes
- Financial and legal compliance
- Publicity
- Appointment of members of the governing boards
- Review of Institutional Budgets
- Starting new courses or departments or institutions if any to the member and the minutes of meeting of the same are sent to NSERD for approval.

Committees are as follow:-

1. NSERD (As per AICTE)
2. Board of Governors (As per AICTE)
3. Grievance Redressal Committee
4. Anti Ragging Committee
5. Anti Ragging Squad
6. Women Cell Committee
7. Student Disciplinary Committee
8. SC/ST Committee
9. IQAC Committee



Frequency of the Meetings of Board of Governance (Minutes of Meeting)

| S.NO. | Year/Session | BOG MOM | Related Link |
|-------|--------------|---------|----------------------|
| 1 | 2020-21 | | Link |
| 2 | 2021-22 | | Link |

The published rules including service rules, policies and procedure



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Chapter-1 Introduction Preamble:

The courses under Jaipur Engineering College & Research Centre, Jaipur (JECRC) are recognized by the AICTE. The JECRC, Jaipur is affiliated to University of Rajasthan, Jaipur. Being the affiliated institutions the conditions of services of these institutions are normally governed by the rules framed in this respect by the AICTE/Rajasthan University / State Government. Additionally, for academic staff the College will also be guided by the relevant rules of the AICTE. Taking this in view, the Jaipur Engineering College & Research Centre, Jaipur has framed a document, which gives a brief idea of the conditions of service and the benefits attached to the employment etc. Further, the information given in this booklet may be subject to revision from time to time. In addition to the conditions of service, the institutes have made certain procedural guidelines to make the administration more smooth and transparent. These are also included here in this document.

1.1 The service conditions shall be applicable to all employees of the Jaipur Engineering College & Research Centre, Jaipur (JECRC). They may be supplemented or amended from time to time based on AICTE/ Affiliating University/ State Government rules. However, the management shall have the right to relax any of the rules.

1.2 For any other matters or details relevant to the service conditions of the employees, not specifically covered here, the College shall be guided by the rules, norms and procedures as prescribed by the Rajasthan Government /AICTE/ Rajasthan University from time to time.

1.3 Definitions:

- (a) "Chairman" means the Chairman of the Executive Council
- (b) "College," means the Jaipur Engineering College & Research Centre, Jaipur / any other

college under the domain of Governing Council.

- (c) "Executive Council," means the Executive Body of the college
- (d) "Funds," means the Funds of the College
- (e) "Governing Council," means the Governing Body of the college
- (f) "President," means the President of the Governing Council
- (g) "Principal," means the Principal of the Jaipur Engineering College & Research Centre, Jaipur
- (h) "Secretary," means the Secretary of the Governing Council
- (i) "Society," means the National Society for Engineering Research and Development, Jaipur
- (U) "Financial Year: · means the year commencing from 1st April and closing on 31st March of the next calendar year.
- (k) "University," means the affiliating University
- (l) Academic Year means period of academic activity from 1st July to 30th June of the next year.
- (m) "Faculty" means a teaching staff of the College
- (n) "Employee" means anybody who has been employed by the College either as 'faculty' or on any post covered under 'other staff'
- (o) "University" means Affiliating University
- (p) "Regular Employee" means the faculty or other staff appointed in the prescribed scales of the post either on probation or confirmed one.
- (q) Ad-hoc employee means appointed on ad-hoc basis for specific period either in the scale or with consolidated salary with specific conditions as shown in the appointment order.

NOTE: For teaching positions, the eligibility will be as per AICTE & the affiliating University norms.

Chapter-2

Appointments and its Terms and Conditions

Faculty Staff

2.1 There are various categories of employees at the College. Their salary scales are given separately in this document. Normally, regular appointments particularly as faculty will be made by direct selection by inviting applications through public advertisement. The required qualifications for faculty staff are generally as prescribed by the AICTE.

2.2 The regular employees of the institute will be eligible to the Dearness Allowance and other allowances as sanctioned by the BOG of the College from time to time.

2.3 The paramount consideration in the appointment or promotion of an employee shall be guided by the desired standards of efficiency, competence and integrity.

2.4 Selection and compensation of employees shall be made without distinction as to race, sex, or religion and the same shall be made on competitive basis.

Terms and conditions of appointment

The appointments shall be made subject to the following terms:

2.5 (a) the terms of appointment provide for termination by a notice on either side of one month. If anyone desires to be relieved prior to the completion of the notice period, he/she will be required to pay to the College an amount equal to his / her salary and allowances for the deficient notice period. However, the management will have the right to waive the notice period.

(b) Unless waived in part or in full by the appointing authority, there will be a probationary period for three months. At the end of the probationary period, it may be extended by the appointing authority for a period up to one year. The services of an employee on probation can be terminated

without notice and without assigning any reason.

(c) The age of superannuation will be 70 years for the faculty and 62 years for other staff unless extended by the competent authority.

Other service conditions will generally agree with the norms and executive instructions of the AICTE / Affiliating University / Rajasthan Government and as amended by the College from time to time.

2.6 An employee shall not without the previous written permission of the Managing Trustee in the case of Director / Principal and in case of teaching and other staff of the Director / Principal respectively be engaged directly or indirectly in any trade, business or occupation or any other remunerative or non -remunerative work.

2.7 Besides appointments in regular scale, the appointments of the faculty and staff may be made on fixed terms on ad-hoc or contract basis. These appointments will carry a consolidated salary or salary in the scale. Fixed term appointees are eligible for vacation and it is admissible to one who has completed minimum service of one semester. In case a fixed term appointment gets converted into a regular appointment for various terminal purposes, the continuity of service will be reckoned from the date of commencement of the term of appointment.

2.8 Pay Scales:

(i) Normally, the pay scales of the faculty will be as per the recommendations of AICTE and as approved by the state Government.

(a) The existing structure of the scales are as under -

| S.No. | Category | Pay scales |
|-------|---------------------|---------------------------|
| 1 | Lecturer | 8000-275-13500 |
| 2 | Senior Lecturer | 10000-325-15200 |
| 3 | Assistant Professor | 12000-420-18300 |
| 4 | Professor | 16400-450-20900-500-22400 |

2.9 Annual increment will fall due on completion of one year of continuous service.

2.10 Incentives for Higher Qualifications - At the time of recruitment as Lecturers, advance increments may be admissible to those who hold higher degrees as under:

(a) Twf will be eligible for two increments as and when he /she acquire a Ph.D. Degree in his/ her service career.

2.11 Career Advancement for faculty the promotions under Career Advancement. Scheme will be as per the guidelines given below. All the promotions in career advancement will be "institute" basis and therefore the work allocation (teaching load, etc.) may remain the same after promotion and additional responsibilities may also be assigned.

© Professor:

In addition to the sanctioned position of Professors, which must be filled in through direct recruitment through all India advertisements, promotions maybe made from the post of Assistant Professor after 10 years of service as Assistant Professor. The selection committee for promotion to the post of Professor will be the same as that for direct recruitment.

Some of the desirable activities of candidates for the post of Professors will be as follows -

- (a) Research contribution: books, articles, research papers etc. published (At least four papers in journals required) The best three written contributions of the papers (as defined by her/him) may be sent in advance to the experts to review before coming for the selection. The candidate should be asked to submit these in 3 sets with the applications.
- (b) Seminars/ conferences attended: must have attended at least 4 seminars/conferences at national or international level or must have attended summer I winter schools (short-term course) of total duration of 4 weeks.
- (c) Significant contribution to teaching I academic environment I project supervision I sponsored projects I institutional corporate life etc.
- (d) Adequate extension and field outreach activities
- (e) Development of course material I monograph
- (f) Participation in continuing education programmes
- (g) Other academic and administrative contributions

2.12 Career Advancement for Faculty

(a) Provides for movement of:

(i) Lecturer to Senior Lecturer (Senior Scale)

(ii) Senior Lecturer to Assistant Professor

(b) Calls for promotion under Career Advancement Scheme: The candidate must have consistently satisfactory performance

Non Faculty

2.13 Pay Scales - qualifications of other staff:

(i) The other staff there will be of two categories viz.

(a) Technical staff

(b) Administrative I ministerial staff.

(ii) The pay scales and qualifications for different technical posts will be on par with AICTE/State Government University Rules.

(iii) Similarly, for administrative staff, the same will be on par with university/government rules.

Minimum length of service for eligibility to move into the grade of Senior Lecturer would be four years for those with Ph.D., five years for those with M.Phil, M.Tech and six years for others at the level of lecturer. For eligibility to move into the Grade of Assistant Professor, the minimum length of service as Senior Lecturer shall be five years.

For movement into grades of Assistant Professor and above, the minimum eligibility criterion would be Ph.D. Those without Ph.D. can go up to the level of Senior Lecturer.

An Assistant Professor with a minimum of ten years of service in that grade will be eligible to be considered for appointment as a Professor. The selection committees for Career Advancement shall be same as those for direct recruitment for each category.

The requirement of consistently satisfactory performance appraisal reports shall be the mandatory requirement for Career Advancement from Lecturer to Senior Lecturer and from Senior Lecturer to Assistant Professor.

(A) Senior Lecturer:

A lecturer will be eligible for placement in a senior scale through a procedure of selection, if she/ he has:

(i) Completed 5 years of continues service at the College. However, relaxation of one year and two years respectively will be given to those with M.Phil, M.E. / M.Tech .and Ph.D.

(ii) Organization of short term course/conference or research publications will be considered an additional qualification.

(iii) Consistently shown satisfactory performance.

(B) Assistant Professor:

A senior lecturer will be eligible for promotion to the post of Assistant Professor if she/ he has:

Department of Electronics & Communication Engineering

- (i) Completed 5 years of service in the senior scale
- (ii) Obtained a Ph.D. degree or has equivalent published work.
- (iii) Made some mark in the areas of research, quality of publications, contribution to education innovation, design of new courses and curricula and extension activities.
- (iv) Organization of short term course/conference or research publications will be considered an additional qualification.
- (v) Shows consistently good performance.

Promotion to the post of Assistant Professor will be through a process of selection by a selection committee.

Selection Procedure

All the vacancies of faculty staff and other staff will be advertised in prominent newspapers. The selection will be done on competitive merit which shall be judged by a duly constituted selection committee.

NOTE

The staff members of the College deputed for any training program /conferences/seminar/workshop etc. has to serve the institute at least for one year after completion of training. In case he /she resigns from the post before completion of the one year, the recovery of the salary & other expenses paid to him / her for training /deputation period would be made.

Chapter-3 Holidays, Leave and Vacations

3.1 Holidays

The College will observe public holidays in a calendar year as fixed by the competent authority. This will be announced at the end of the previous year.

3.2 Vacations

3.2 .1 Faculty Staff are entitled to 45 days' vacation in a year provided they have joined the College on or before the 1st of July. The entitlement will be worked on pro-rata basis for faculty staff joining by end of October. A faculty staff joining after October will not be entitled to any vacation during the current academic year.

3.2.2. Total vacation may be broken up in parts like (1) a week around Deepawali, (2) a week in winter and (3) the remaining in summer.

3 .2.3. For non teaching staff, the vacation entitlement in a full year is 30days. This also may be broken up in three parts like (1) a week around Deepawali, (2) a week in winter and (3) the remaining in Summer.

3.3. Leave

3.3.1 No holidays or leave shall be claimed as a matter of right by an employee except such holidays or leave as are enforceable by law.

3 .3.2 Sundays will be normally treated as holidays.

3 .3.3 List of possible holidays will be announced in the beginning of the calendar year. However, at times a holiday / Sunday may be declared as a working day on need basis.

3.4. Casual Leave

3.4.1 A faculty staff shall normally be entitled to 15 days casual leave in a year on accrual basis. The accounting period is from 1st of July to 30th of June next year.

3 .4 .2 A non-faculty staff shall normally be entitled to 12 days casual leave in a year on accrual basis. The accounting period is from 1st of July to 30th of June next year.

3.4 .3 An employee can normally avail of 1 day's casual leave in a month during the probation period provided that he has at least 20 days of uninterrupted duty record at the college.

3.4.4 Sundays and holidays can be prefixed or suffixed with casual leave after a written request has been made to this effect.

3.4.5 Casual leave shall be permitted on recommendation of the incharge(HOD) keeping in view the interests of the College/Department/ Section as the case maybe.

3.5 Medical Leave

3.5.1 Employees unable to carry out their regular duties due to continuous ill health (for more than 3 months) will not be permitted to continue in service.

3.5.2 Maternity leave shall be admissible to a female employee of this college for a maximum period of 60 days with the following provisions -

3.5.2.1 She is a regular employee and has served the College continuously for not less than three years.

3.5.2.2 The employee will be eligible for full pay during the leave period.

3.5.2.3 The employee shall be given 50% of the total emoluments every month during the period of her absence subject to production of maternity certificate and the balance 50% shall be provided to her in six equal monthly installments after resuming duties.

3.5.2.4 The employee under special

circumstances arising out of medical complications may be permitted leave without pay for the required period.

3.6 Leave other than specified leave

3.6.1 Any employee absenting from duty without proper permission for 6days will lose the benefit of salary on the following or intervening Sunday and any Holiday in continuity. Hershel shall be liable to be dismissed from service if his/her absence from duty persists for 15days in this manner.

3.6.2 Any employee who has been dismissed from service earlier but has been given employment again shall be treated as a new employee and the benefits of the earlier period of service shall

automatically lapse.

3.7 Academic leave / duty leave

3.7.1 An employee going for attending the work entrusted by the College or for participating in a Conference etc shall be treated as on duty, provided the participation in the Conference has been approved by the College and they produce a certificate of participation on return. Some faculty staff may also be provided TA& DA and the registration if any may also be depending upon the length of the service of the employee.

3.7.2 An employee going out of station on duty in connection with College work shall be suitably compensated for his outstation travel and stay.

Chapter-4 Provident Fund Gratuity

4.1 Provident Fund

Every employee of the College shall be entitled for the benefit of Contributory Provident Fund. Some of the important salient features of the scheme are identical to EPF rules.

4.2 Employees State Insurance Scheme

Employee of the College shall be entitled for the benefit of Employees State Insurance Scheme (ESI) as per the Central Government rules.

4.3 Gratuity

The employers of the College will also be eligible for gratuity as per provision of act.

The main components of this benefit are as under:

(1) Gratuity shall be payable to an employee on the termination of his/her employment after he/she has rendered continuous service for not less than five years.

(a) on his/her superannuation or

(b) on his/her retirement or

(c) on his/her death or disablement due to accident or illness

Provided that the completion of continuous service of five years shall not be necessary where termination of the employment of any employee is due to death or disablement.

Provided further that in the case of death of the employee, gratuity payable to him/her shall be paid to his/her nominee, if no nomination has been made, to his/her heirs, and where any such nominees or heirs is a minor, the share of such minor shall be deposited with the controlling authority who shall invest the same for the benefit of such minor in such bank or other financial institution, as may be prescribed, until such minor attains majority.

Chapter-5 Testing and Consultancy Rules

The College staff shall be encouraged to take a consultancy and testing jobs from industry and others R&D agencies on payment basis. They will be permitted to use the infrastructure of the College. The consultancy / testing fee will be apportioned between the consultants and others who make a contribute to it and also to the College.

1) Remuneration to Regular Faculty & Staff:

(a) Testing:

The distribution of total income between the College and the employees will 30:70.

The 70% staff distribution is as under as per the institution Rules:

| | | |
|---|--|-----|
| 1 | The faculty staff | 65% |
| 2 | Lab Technician | 5% |
| 3 | Lab Attendants | |
| 4 | Office Staff / Administration staff involved & Dept. Clerk | |

(b) Consultancy:

The distribution of total income between the College and the employees will 30 :70but after deducting all expenses.

| | |
|-----|--|
| 30% | will be retained by the College After deducting all expenses |
| 70% | distributed amongst the concerned staff |

Chapter-6 Incentive Rules

Incentive rules have been classified into two categories. These are

- (i) Performance based and
- (ii) Time based

6.1 Based on Performance Appraisal

| Period of Stay | Performance Appraisal Rating | Proposed Incentive |
|-----------------|------------------------------|---|
| After Probation | Excellent | + one increment/DA increase/BOTH |
| After 2 yrs | Very Good/Excellent | + one increment/DA increase/BOTH Conf Participation on duty leave + Registration |
| After 3 yrs | Very Good/Excellent | + HRA / DA Increase / BOTH Excellent + Conf Participation on duty leave + Registration Fee + Basic Travel (city to city) + B&L + Book allowance (Rs 1000 per year) + Professional Society membership (90%) + Promotional Opportunity |
| After 4 yrs | Excellent | As above + Conveyance Allowance (Personal Vehicle) + Medical Allowance I Group Medical Scheme |
| After 5 yrs | Excellent | As above + Phone Allowance + Lap Top subsidy (80%) + Contribution to EMI for Car/Housing Loan + LTC + Education Allowance + Gratuity |

Department of Electronics & Communication Engineering

Promotional Opportunities

- (a) Lecturer to Sr. Lecturer
- (b) Sr. Lecturer to Assistant Professor
- (c) Assistant Professor to Professor

Guidelines

- (a) Eligibility to be as per AICTE recommendation
- (b) Lecturer to Sr. Lecturer promotion on informal appraisal
- (c) Sr. Lecturer to Assistant Professor: Through a formal internal appraisal
- (d) Assistant Professor to Professor: Open Competition

Appraisal -

- (a) Academically Sound
- (b) Quality of Teaching (Lectures, Tutorials, Labs)
- (c) Laboratory Development
- (d) R&D
- (e) Books and Manuals
- (f) Participation in other activities like (i) Placement, (ii) Student Development, (iii) Examination work, (iv) Co-curricular and ECA, (v) Contribution to College/Industry interaction (vi) College administration...

6.2 Time Based

a. Faculty v Staff

| S.No | Items | Remarks |
|------|---|---|
| 1. | Additional Increment | One additional increment in the III year if there has been no promotion / change of Designation / salary revision etc. |
| 2. | Promotion | A faculty staff joining as a lecturer will be promoted to the post of a Sr. Lecturer in the sixth year if there has been no promotion / change of designation / salary revision etc. Similarly, a staff member joining as a Sr. lecturer will be promoted as an Assistant Professor if there has been no promotion / change of designation / salary revision etc. |
| 3. | Conveyance | From third year: Conveyance allowance @250/- per month for staff (with salary upto Rs. 20000/- pm) and Rs. 500/- per month (for staff with salary above 20000/-only) |
| 4. | Internet(Staff members have to ask for it) | From third year: Staff members having internet at residence in their own name can claim minimum BSNL rental |
| 5. | Conference | <ul style="list-style-type: none"> a. Duty leave will be admissible b. After one year: registration fee will be reimbursed. c. After two years: all above and city to city travel cost will be reimbursed. d. After three years: All above and subsidy towards boarding & lodging. |
| 6. | HRA | To be paid@ 7.5% of basic pay from IV year |
| 7. | Book allowance (Staff members have to ask for it) | From third year: Cost of relevant books purchased by faculty to be reimbursed upto Rs. 1000/- PA |

Department of Electronics & Communication Engineering

| | | |
|----|--|---|
| 8. | Education Allowance (Staff members have to ask for it) | From sixth year: 50% of tuition fee for two children. This is restricted to Rs. 500/- per month per child. This further subject to the spouse not claiming this allowance from other organization |
| 9 | Medicclaim | Efforts are being made to cover all the staff Through Medicclaim policy applicable from third year onwards |

b. Other Staff (Other than faculty staff)

| S.No. | Items | Remarks |
|-------|----------------------|--|
| 1 | Additional Increment | One additional increment in the III year if there has been no promotion / change of designation/ salary revision etc. |
| 2. | Promotion | Promotion A staff will be promoted to the next higher post in the sixth year provided there has been no promotion I change of designation / salary revision etc. If next higher post is not existing, suitable increments may be given |
| 3. | Conveyance | From third year: Conveyance allowance@ 250/ - per month for staff (with salary upto Rs. 20000/- pm) and Rs. 500/- per month (for staff with salary above20000/-pm) |
| 4. | Conference / Short | a. Duty leave will be admissible course etc. b. After one year: registration n fee will be reimbursed. c. After two years: all above and city to city travel cost will be reimburse. d. After three years: All above and subsidy towards boarding &lodging. |
| 5. | HRA | To be paid @ 7 .5% of basic pay from IV year |
| 6. | Education Allowance | From sixth year: 50% of tuition fee for two children. This is restricted to Rs .500/ - per month per child. This further subject to the spouse not claiming this Allowance from other organization. |
| 7. | Medicclaim | Efforts are being made to cover all the staff through Medicclaim policy applicable from third year onwards. |

Chapter-7 Assessment

7.1 Performance Appraisal of Faculty:

The performance of faculty appointed on regular basis will be assessed at two stages viz (a) During Probation and (b) Confirmation.

(a) During Probation:

The faculty staff will be required to submit his/her self performance appraisal one week advance of probation. The HOD will give his own observations as Reporting Officer and the Director or the Principal will review the document.

Depending upon the assessment of the staff, the staff member may be confirmed in his/her position or probation may be extended if necessary. The faculty staff will be informed of the deficiencies when the probation period is extended.

During the period of extension of the probation, the HOD will continuously the working of the

concerned staff member and will suggest ways to improve the performance.

(b) Evaluation after Confirmation:

Even after confirmation, the performance of the faculty shall continuously be monitored on the same lines as in self assessment form. This report will be considered for the benefit to be awarded under career advancement scheme upward promotion even by direct selection and for other incentives.

7.2 Evaluation of other Staff:

On the similar lines as for faculty, the evaluation of the other staff also will be done. However, the proforma of such evaluation will be different depending upon the nature of the post.

Chapter-8 Conduct Rules

8.1 Code of conduct

- (a) Every employee shall, at all times, maintain absolute integrity and devotion to duty, and also be honest and impartial in his/her official dealings.
 - (b) An employee shall, at all times, be courteous in his/her dealings with other members of the staff, students and members of the public.
 - (c) Unless otherwise stated specifically in the terms of appointment, every employee is a full time employee of the institute. He/ She may be called upon to perform such duties, as may be assigned to him/her by the competent authority beyond scheduled working hours and on holidays and Sundays. These duties shall, inter-alia, include attendance at meetings of committees to which he/she may be appointed by the College or any of its authorities.
 - (d) An employee shall observe the scheduled hours of work during which he/she must be present at the place of his/ her duty.
 - (e) Except for valid reasons and/or unforeseen contingencies, no employee shall be absent from duty without prior permission.
- 8.2 No employee shall, in any radio broadcast or in any document published anonymously or in his/her own name or any other person or in any communication to the press or in any public utterance, make any statement of fact or opinion which has the effect of an adverse criticism of the College.
- 8.3 No employee shall pass any confidential information of the College to any unauthorized person or agency.
- 8.4 No employee of the institute shall, engage, directly or indirectly, in any trade or business or any private tuition or undertake any employment outside his/her official assignments.

- 8.5 An employee who gets involved in some criminal proceedings shall immediately inform the competent authority through the Head of the Department to which he /she is attached, irrespective of the fact whether he/she has been released on bail or not. An employee who is detained in police custody, whether on criminal charge or otherwise, for a period longer than forty eight hours shall not join his/her duties in the College unless he/she has obtained written permission to that effect from the competent authority.
- 8.6 No employee shall, except with the previous sanction of the competent authority, have recourse to any Court of Law or to the press for the indication of any official act which has been the subject matter of adverse criticism or an act of defamatory character. Provided nothing in this rule shall be deemed to prohibit an employee from vindicating his/her private character or any act done by him/her in his/her private capacity.
- 8.7 (a) Whenever an employee wishes to put forth any claim, or seeks redressal of any grievance or of any wrong done to him/her, he/she must forward his / her case through proper channel, and shall not forward advance copies of his/her application to any higher authority, unless the lower authority has rejected the claim, or refused relief or the disposal of the matter is unduly delayed.
(b) No employee shall be signatory to any joint representation addressed to the authorities for redressal of any grievance or of any other matter.
- 8.8 An employee shall, regarding imposition of penalties for breach of any of these rules and regarding preference of appeals against any action taken against him /her, be governed by the rules made in this behalf from time to time by the competent authority.

8.9 A faculty staff shall be responsible for the results of the students of the class being engaged by him/her.

This will necessarily mean:

- a) Planning the course of lectures for the entire semester and suggesting suitable text and reference books to the students.
- b) Delivering well prepared lectures with the help of handouts and teaching aids.
- c) Preparing tutorial sheets with representative problems.
- d) Keeping an up-to-date account of attendance of students
- e) Conducting assessment of students as per the approved policies
- f) Explaining the steps taken to improve the situation / difficulty being faced in performing the duties and offering suggestions, if any, to improve the efficiency.
- g) The department will prepare an academic calendar for the department in conformity with the College calendar. The faculty staff will be following this calendar.
- h) Punctuality in arriving at the college, engaging classes shall be an important trait of a faculty staff.

i) Faculty staff shall generally be available to students for discussion and guidance during college hours. The day's work of making attendance, checking answer books and entering and submitting marks and other details shall be completed before he/she leaves the college.

j) The faculty staff shall regularly intimate the tutor guardians of the progress of the students. The tutor guardian, in turn, shall call the students and try to find out the reasons for poor performance and deficiency; n attendance. If necessary, the tutor guardian shall inform the parents about the performance of the student and shall also maintain a record of the same.

8.10 Dress Code:

1. Male Staff - Should preferably wear shirts (no T-shirts) and Trousers (no Jeans). Ties also may be worn.

2. Female Staff - Should wear sarees.

NB:

(This Hand Book contains guidelines for smooth functioning of the institute. These are guidelines and should not be interpreted as rules and hence cannot be challenged in the Court of Law)

Amendment

Amendment related to increase and retention benefit approved from NSERD in the year 2016

INCREMENT/ RETENTION BENEFIT

1. It is proposed to provide 3% increment on Basic and AGP.
2. It is proposed to provide 2% DA on Basic and AGP each year. Additional DA may be announced if necessary.
3. The above proposed increment will have an impact of approximately 4% as compared to previous impact of 4.5%.
4. It is proposed to provide additional 3% increment (Basic+ AGP) after completion of three years of service at JECRC under following conditions
 - a. Faculty member of Applied Science must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
 - b. Associate Professor must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
 - c. Assistant professor must have M.E. / M.Tech qualification. They are given one year time for the registration and three year time for the completion of M.E. / M.Tech there after their benefit may be considered from the date of completion certificate.

AND

- d. At least 50% students must have more than 60% marks in the theory subject's the faculty member is delivering.

AND

- e. Publish at least one paper in reputed conference/ journal during previous year.

AND

- f. If someone leaves the service within one year after availing the benefit, he/she has to deposit the whole amount of benefit before leaving.
5. It is proposed to provide two increments (6%) additional increment (Basic + AGP) after completion of five, ten and fifteen years of service at JECRC (taking 1/7/17 as base month and year to all the faculty members) under following conditions
 - a. Faculty member of Applied Science must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
 - b. Associate Professor must have PhD qualification. They are given one year time for the registration and five year time for the completion of PhD there after their benefit may be considered from the date of completion certificate.
 - c. Assistant professor must have M.E. / M.Tech qualification. They are given one year time for the registration and three year time for the completion of M.E. / M.Tech there after their benefit may be considered from the date of completion certificate.

AND

- d. At least 50% students must have more than 60% marks in the theory subject's the faculty member is delivering.

AND

- e. Publish at least one paper in reputed conference / journal.
6. There will be additional benefit such as Mobile Number may be provided to all the HOD's, TPO's and Mentors of each semester students.
7. Faculty members who will complete Five years of service after 1/7 /17 and before 31/12/ 17 may be provided retention benefit •of 3% in addition to conventional increment only.
8. Assistant professors, Associate professors and Professors are provided with 5, 7, 10 days of duty leave respectively for taking examination, attending conference and any other academic assignment as assigned.
9. The faculty members who do not qualify criteria

Amendment related to increase and retention benefit approved from NSERD in the year 2016

Promotion Policy

Under the fitment of proposal and increment retention benefit the faculty members are kept in the pay scale AGP of 6000, 7000, 8000 for Assistant Professors. 9000 AGP for Associate Professors. 10,000 AGP for Professors.

The change of AGP for one level to another AGP 6000 AGP 7000 after five years, from AGP7000, AGP

5 for consecutive three years, retention benefits may be withdrawn.

10. Faculty member who publish a paper in a reputed conference/ journal listed in UGC approved list only will • be provided 50% of the registration charges subject to a maximum of Rs. 5000/(Five Thousand) only.
11. In case of promotion the next increment date will be the date of promotion. However, in case of any ambiguity the committee will decide the next increment date.
12. These will not be applied to non teaching staff including class IV servants.

Dr. V. K. Chandna

8000 after four years and from AGP 8000 to AGP 9000 after three years as per AICTE. Along with the faculty members who wish to promote to AGP 9000 must have minimum qualifications of Ph.D and must appear in front of Selection Committee for the same.

The above benefits will be applicable if the faculty members have at least 50% points out of 200 self-appraisal points.

Department of Electronics & Communication Engineering

Faculty Appraisal Form (Session 2020-2021) (Revised) For best faculty award Total 200 points

Name of Faculty Member:
Designation:

Department:

| | | | |
|------------------------------------|---------|---------|---------|
| Points obtained in the three years | 2017-18 | 2018-19 | 2019-20 |
| | | | |

| S. No. | Item Name | Maximum Points | Points obtained | | | | | | | | | | | | |
|-----------------------|---|----------------|-----------------|-------|----|-------|----|-------|---|-------|----|-----------------------|------------------------|----|--|
| 1 | Academic result 30 points average (90% students having more than 70% : 30 points, 80 -89% students having more than 70% result: 27 points, 70 -79% students having more than 70% result: 24 points, 60 -69% students having more than 70% result: 21, 60 -69% students having more than 60% result: 18 points, 50-59% students having more than 60% result: 15 points else ZERO) Example: <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr> <th style="width: 60%;">Theory Subject</th> <th style="width: 40%;">Points obtained</th> </tr> <tr> <td>Sub-1</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Sub-2</td> <td style="text-align: center;">27</td> </tr> <tr> <td>Sub-3</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Sub-4</td> <td style="text-align: center;">18</td> </tr> <tr> <td>Average points scored</td> <td style="text-align: center;">75/4 i.e. 18.75</td> </tr> </table> | Theory Subject | Points obtained | Sub-1 | 30 | Sub-2 | 27 | Sub-3 | 0 | Sub-4 | 18 | Average points scored | 75/4 i.e. 18.75 | 30 | |
| Theory Subject | Points obtained | | | | | | | | | | | | | | |
| Sub-1 | 30 | | | | | | | | | | | | | | |
| Sub-2 | 27 | | | | | | | | | | | | | | |
| Sub-3 | 0 | | | | | | | | | | | | | | |
| Sub-4 | 18 | | | | | | | | | | | | | | |
| Average points scored | 75/4 i.e. 18.75 | | | | | | | | | | | | | | |
| | No marks for Labs subjects | | | | | | | | | | | | | | |
| 2 | Research Publication: Sci / Scopus / web of science indexed publication: 15 points, publication having ISSN / UGC approved: 10 points, National level publication: 5 points | 30 | | | | | | | | | | | | | |
| 3 | Faculty development programme 10 point average (one faculty development programme minimum 5 days attended 5 points, 2 points for attending 2 days workshop, subject to maximum of 10) | 10 | | | | | | | | | | | | | |
| 4 | Research grant received | 5 | | | | | | | | | | | | | |
| 5 | Patent 10 points / Product development (10) / | 20 | | | | | | | | | | | | | |
| 6 | New Skills (5) / additional specialization (5) / certification course (5) | 15 | | | | | | | | | | | | | |
| 7 | Innovation in teaching learning (5), video lecture (5), online MOOC s (5), Online notes uploading (5) on College website | 20 | | | | | | | | | | | | | |
| 8 | Technical activity organized (1 point / activity) | 5 | | | | | | | | | | | | | |
| 9 | National Initiative for Technical Teachers Training (NITTT) modules (5 points for each modules) | 40 | | | | | | | | | | | | | |
| 10 | Institute level activity organized / participated (1 point / activity) | 5 | | | | | | | | | | | | | |
| 11 | Any award received (1), session chair in conference (1), guest lecture (1), invited talk (1), etc. | 5 | | | | | | | | | | | | | |
| 12 | HOD recommendation maximum 30 points (Departmental responsibility 2 points, NBA related activity 5) | 15 | | | | | | | | | | | | | |
| Total | | 200 | | | | | | | | | | | | | |

Signature of Faculty

Signature of HOD

PRINCIPAL

Note: 1. HOD will verify the documentary proof.

2. Faculty member getting ZERO in criteria-1 or criteria-2 for the consecutive three years (CAY, CAY-1, CAY-2) appropriate action will be taken.



Department of Electronics & Communication Engineering

Technician Appraisal Form For The Month Of _____ - _____ For best technician award Total 150 points

Name of the Technician:
Designation:

Department:
Date of joining:

| | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Points obtained | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| | | | | | | | | | | | | |

| S. No. | Item Name | Maximum Points | Points obtained |
|--|---|----------------|-----------------|
| 1 | Regularity (Days Present x actual lab hr engaged) / (Working days x Total lab hr) x 25 | 25 | |
| 2 | Maintenance & Repairs How many lab equipments available in the lab A How many are in working condition B How many repaired yourself C Remaining repairing status D = [(B+C) / A] x 10 | 10 | |
| 3 | How many experiments performed by yourself = (No. of experiment performed / Total Experiment) x 5 | 5 | |
| 4 | Cleaning (1 marks per day) 1. Wearing proper neat & clean formal dress 2. Cleaning of labs rooms, tables, equipment's etc. | 25 | |
| 5 | Stock Register 1. Maintained stock register 2. Timely following stock audit process | 20 | |
| Criteria No. 6 to 8 - To be filled by the concerned HOD | | | |
| 6 | Behavior with faculty and HODs | 15 | |
| 7 | New skill certificate taken for lab | 30 | |
| 8 | HOD recommendation 1. Timely opening of lab 2. Maintaining lab properly 3. Properly close the lab after college hour 4. Performing other assignments other than assigned lab work 5. Behavior with the other colleagues and students | 20 | |
| Total | | 150 | |

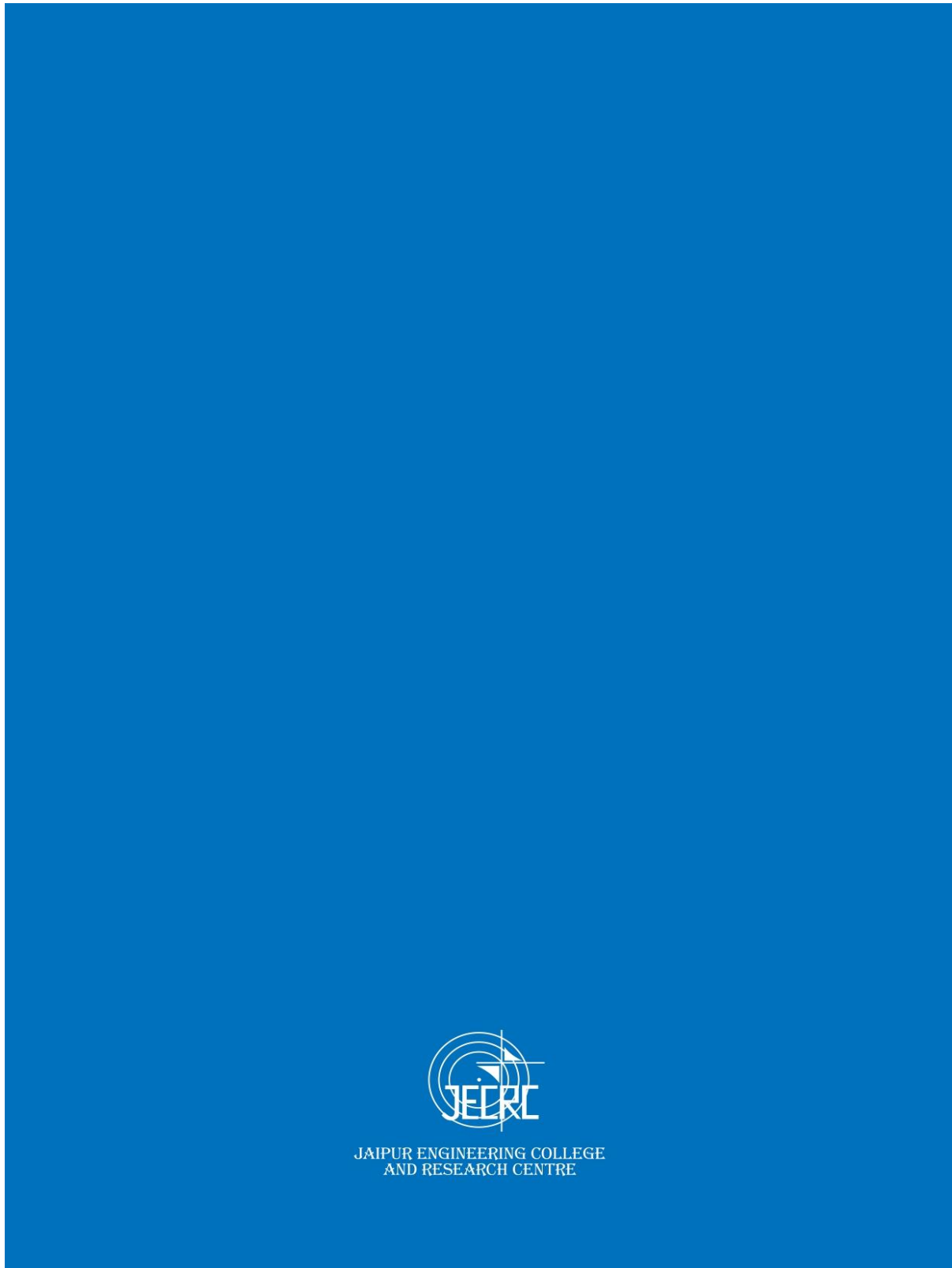
Signature of Technician

Signature of HOD

PRINCIPAL

Note: 1. HOD will verify the documentary proof.





JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE



10.1.3. Decentralization in working and grievance redressal mechanism

HEAD OF ACADEMIC PROGRAM/DEPARTMENTS AND ADMINISTRATION

| Program/Department/Section | Head |
|---|---------------------------------|
| Principal | Prof. (Dr.) Vinay Kumar Chandna |
| Dean First Year | Dr. Ruchi Mathur |
| Deputy Dean First Year | Dr. Barkha Shrivastava |
| HOD Civil Engineering | Dr. Krishan Kant Saini |
| HOD Electrical Engineering | Dr. Prerak Bhardwaj |
| HOD Electronics and Communication Engineering | Dr. Sandeep Vyas |
| HOD Mechanical Engineering | Dr. M.P. Singh |
| HOD Computer Science and Engineering | Dr. Sanjay Gaur |
| HOD Information Technology | Dr. Smita Agarwal |
| HOD Artificial & Data Science | Ms. Manju Vyas |
| HOD Physics | Dr. Raj Kumar |
| HOD Chemistry | Dr. Barkha Shrivastava |
| HOD Mathematics | Dr. Ruchi Mathur |
| HOD English and Humanities | Dr. Neelu Jain |

| Management and Administration | Head |
|-------------------------------|---|
| Vice Chairman | Shri M.L. Sharma |
| Senior Advisor | Shri O.P. Jain |
| Senior Advisor | Shri P.K. Tiwari |
| Senior Advisor | Prof. S.N. Gupta |
| Chief Administrator Officer | Shri P.K. Gupta |
| Registrar | Dr. R.K. Mangal |
| Librarian | Dr. Anita Jain |
| Sport Officer | Dr. Rajesh Sharma |
| Chief Hostel Warden | Shri P.K. Gupta |
| OS Office | Shri Sukesh Pathak |
| Account Officer | Shri Sumit Agarwal Shri Sandesh Pathak |

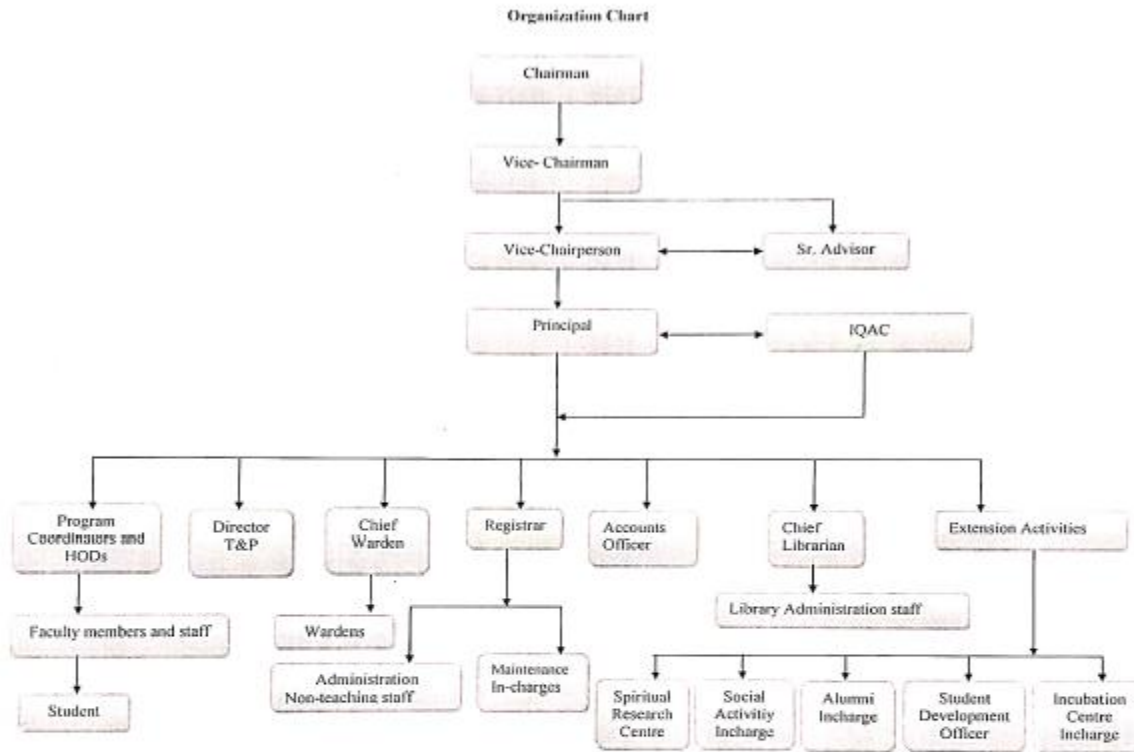
Management Committees

| | |
|---------------|--------------------|
| Chairman | Shri O.P. Agarwal |
| Vice Chairman | Shri M.L. Sharma |
| Director | Shri Amit Agarwal |
| Director | Shri Arpit Agarwal |

DECENTRALIZATION OF POWER

In the institute the powers are transferred from Chairman to the lower levels, it can be seen in the organization chart.

Department of Electronics & Communication Engineering



PRINCIPAL
 Jaipur Engineering College &
 Research Centre
 Tonk Road, Jaipur-302002



Jaipur Engineering College and Research Centre
 Approved by AICTE & Affiliated to RTU
 JECRC Campus, Shri Ram Ki Mangal,
 Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
 t: 0141 2770120, 2770232 e: info@jecrcmail.com



Department of Electronics & Communication Engineering

Composition of grievance redressal cell including Anti-Ragging Committee



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

JECRC/Reg/2021-22/352

23.09.2021

Anti-Ragging Committee

| S. No | Name of the Committee Member | Appointment Order Reference Number | Date of Appointment | Profession | Associated with | Mobile Number | e-mail address |
|-------|------------------------------|------------------------------------|---------------------|---|-----------------|---------------|-----------------------------|
| 1 | Dr. Vinay Kumar Chandna | JECRC/REG/2020-21/575 | 9/10/2020 | Principal | JECRC | 9891406784 | principal@jecrcmail.com |
| 2 | SHO | JECRC/REG/2020-21/575 | 9/10/2020 | Police admin(Police inspector/SHO) | JECRC | 1412770120 | pktiwari@jecrc.ac.in |
| 3 | Mr. O P Jain | JECRC/REG/2020-21/575 | 17/7/2019 | Civil admin(Revenue/Taluka /Civil/Officers) | JECRC | 9413335550 | ravibhatnagar1982@gmail.com |
| 4 | Dr. SHRUTI KALRA | JECRC/REG/2020-21/575 | 9/10/2020 | Professor | JECRC | 9413335550 | shrutikalra.ec@jecrc.ac.in |
| 5 | Mr. Manish Jain | JECRC/REG/2020-21/575 | 9/10/2020 | Associate Professor | JECRC | 7229823455 | manish_jecrc@yahoo.com |
| 6 | Mr. Pranshu Sharma | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives of students/boys | JECRC | 9667788552 | pranshu.sharma@jecrc.ac.in |
| 7 | Dr. Anita Jain | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives of students/girls | JECRC | 9829230353 | anitajain.lib@jecrc.ac.in |
| 8 | Mr. Mukht Bihari | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives non-teaching | JECRC | 9982682915 | mukt@yahoo.com |


Principal
PRINCIPAL
 Jaipur Engineering College & Research Centre
 Tonk Road, Jaipur-302022



Jaipur Engineering College and Research Centre
 Approved by AICTE & Affiliated to RTU
 JECRC Campus, Shri Ram Ki Nangal,
 Via Sitapura RIICO, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
 t: 0141 2770120, 2770232 e: info@jecrcmail.com



Department of Electronics & Communication Engineering




JECRC/REG/2021-22/058

14/07/2022

GRIEVANCE REDRESSAL COMMITTEE 2021-22

| Name | Position | Category | Appointment order reference number | Date of appointment | Telephone number | E-mail | Address |
|---------------------|-----------|---------------------------------|------------------------------------|---------------------|------------------|---------------------------------|---|
| Mr. Manish Jain | Chairman | Senior faculty/HOD | JECRC/REG/2019-20/065 | 14-07-2020 | 7229823455 | manishjain.me@jecrc.ac.in | Malviya Nagar, Jaipur |
| Mr. P.K Gupta | Member | Chief warden/warden | JECRC/REG/2019-20/065 | 14-07-2020 | 9982682475 | cao@jecrc.ac.in | Shipra Path, Mansarovar, Jaipur |
| Dr. Rajesh Sharma | Member | Chief proctor/Member counsellor | JECRC/REG/2019-20/065 | 14-07-2020 | 9314777421 | rajeshsharma.sports@jecrc.ac.in | 2/654 Malviya Nagar Jaipur |
| Dr. M.P Singh | Member | Chief proctor/Member counsellor | JECRC/REG/2019-20/065 | 14-07-2020 | 9414203639 | mpsingh.me@jecrc.ac.in | 467, Sri Ram Vihar, Near Mahal Yojana, |
| Dr. Ruchi Mathur | Member | Other senior faculty | JECRC/REG/2019-20/065 | 14-07-2020 | 9828159024 | hodmath@jecrc.ac.in | 3/1 kabir marg sfs mansarovar jaipur |
| Dr. Sandeep Vyas | Secretary | Proctor/Student Counsellor | JECRC/REG/2019-20/065 | 14-07-2020 | 8118872966 | hod.ece@jecrc.ac.in | B-60, Barkat Nagar (Ext.), Tonk Phatak, JECRC |
| Mr. Yogendra Sharma | Member | Architect/Civil engineer | JECRC/REG/2019-20/065 | 14-07-2020 | 9680772200 | yogendrasharma@jecrc.ac.in | Compus, sitapura tonk |


 Prof. Dr. Vinay Kumar Chandra
 Principal

PRINCIPAL
 Jaipur Engineering College &
 Research Centre
 Tonk Road, Jaipur-302022

- CC to:
1. Director
 2. Registrar
 3. All Departmental HoD's
 4. Account Office
 5. OS
 6. Library



Anti Ragging Committee

Minutes of Meeting held on 30/10/2021

Venue- At C-Block, Board Room

Time - 1.00 PM & onwards

Agenda ;

1. To Curb the Menace of Ragging
2. Other issues

Members Present:-

1. Sh. M.L. Sharma, Chair
2. Sh. P. K. Tiwan, Sr. Advisor
3. Prof. V. K. Chandna, Principal
4. Prof. R. K. Mangal, Registrar
5. Sh. P. K. Gupta, CAO
6. Sh. Manish Jain, Dy Director
7. Dr. Ruchi Mathur, Dean Ist Year
8. Prof. M. P. Singh, HoD, ME
9. Prof. Sanjay Gaur, HoD, CSE
10. Prof. Smita Agarwal, HoD, IT
11. Prof. Sandeep Vyas, HoD, ECE
12. Prof. S. K. Dixit, HoD, Physics
13. Dr. S. K. Singh, ECE
14. Dr. Parul Tyagi, ECE

15. Dr. Vijeta Kumawat, CSE
16. Sh. Krishan Kumar Saini, HoD, Civil
17. Sh. Hetram Sharma
18. Dr. Barkha Srivastava, HoD, Chy
19. Prof. U. K. Pareek, Maths
20. Dr. Neelu Jain, E&H
21. Sh. Amit Mithal, CSE
22. Sh. Neeraj Prakash Shrivastava, AI&DS
23. Sh. Kuldeep Sharma, ME
24. Sh. Gopal Tiwari, EE
25. Ms. Jisha Varghese, EE
26. Dr. Anita Jain, Library
27. Sh. Amitabh Gupta
28. Sh. Ravi Bhatnagar, In-Charge, Transport

1. Sh. M. L. Sharma, Vice- Chairman, chaired the meeting.
2. He welcomed all the members and appreciated the efforts made to keep campus free from ragging as no specific incident of ragging is reported in the past year.
3. The Vice –Chairman focused on the Zero Tolerance Policy against ragging in the institution & desired that the information regarding Anti- Ragging Committee members are displayed on all the notice boards and buses.

Department of Electronics & Communication Engineering

4. The Circular of University Grant Commission, issued by Prof. Rajnish Jain containing guidelines for the educational institute was readout by the Chairperson and discussed on following points –
- Constitution of Anti Ragging Committees and Anti Ragging Squads, Monitoring Cell and Disciplinary Committee.
 - Undertaking from the students and their parents.
 - Security in the campus and in the buses.
 - Display of ample posters of ragging- free campus.
 - Duties and responsibilities of hostel wardens.
 - Holding meetings, seminars, joint sensitization programmes involving students, faculty, parents, guardians, district authorities etc.
 - Identifying vulnerable places in the campus.
5. In –charges of different Section were asked to do the below mentioned action in their respective area to minimize the possibility of ragging –

| S. No | Action | Action taken by |
|--------------|---|------------------------|
| 1. | The Library will remain open for issue and return of books only till further guidelines from Government of Rajasthan. No sitting allowed. | Dr. Anita jain |
| 2. | OS shall prepare a list of faculty members who will be deputed for night duty for both hostels for a month starting from 13.02.2020. | Sh. Amitabh Gupta |
| 3. | Sh. P. K. Tiwari, IPS & DGP (Retd.), Sr. Advisor will take sessions for the Senior students and the new comers for apprising the students about the legal consequence of ragging. | Sh. P. K. Tiwari |

Department of Electronics & Communication Engineering

| | | |
|----|--|--|
| 4. | Registrar shall prepare block wise Anti Ragging Squad of faculty members and assign their duty in the Campus. | Registrar |
| 5. | In Girls hostel, In-Charge will monitor the area closely and interact with senior girl students regularly to ascertain ragging free environment. | Ms. Raj Pareek |
| 6. | Principal will take meeting with the faculty and staff members to continue with the night duties based on their feedback. | Prof. V. K. Chandna |
| 7. | The CAO will visit the Hostels and nearby area on regular intervals along with the wardens for close vigil. | Sh. P. K. Gupta |
| 8. | In the College bus, students must be closely watched, any suspected activities may be reported to the Registrar promptly so that necessary action could be taken in time. In the buses, Mobile No. of the Registrar, CAO and Bus In -charge must be displayed. | Sh. Ravi Bhatnagar, Transport In-charge |

Chair of the meeting thanked all members for their active participation.

Meeting ended with a vote of thanks.

for
Prof. V. K. Chandna
Principal

Department of Electronics & Communication Engineering



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

JECRC/Reg/2021-22/352

23.09.2021

Anti-Ragging Committee

| S. No | Name of the Committee Member | Appointment Order Reference Number | Date of Appointment | Profession | Associated with | Mobile Number | e-mail address |
|-------|------------------------------|------------------------------------|---------------------|---|-----------------|---------------|-----------------------------|
| 1 | Dr. Vinay Kumar Chandna | JECRC/REG/2020-21/575 | 9/10/2020 | Principal | JECRC | 9891406784 | principal@jecrcmail.com |
| 2 | SHO | JECRC/REG/2020-21/575 | 9/10/2020 | Police admin(Police inspector/SHO) | JECRC | 1412770120 | pktiwari@jecrc.ac.in |
| 3 | Mr. O P Jain | JECRC/REG/2020-21/575 | 17/7/2019 | Civil admin(Revenue/Taluka /Civil/Officers) | JECRC | 9413335550 | ravibhatnagar1982@gmail.com |
| 4 | Dr. SHRUTI KALRA | JECRC/REG/2020-21/575 | 9/10/2020 | Professor | JECRC | 9413335550 | shrutikalra.ec@jecrc.ac.in |
| 5 | Mr. Manish Jain | JECRC/REG/2020-21/575 | 9/10/2020 | Associate Professor | JECRC | 7229823455 | manish_jecrc@yahoo.com |
| 6 | Mr. Pranshu Sharma | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives of students/boys | JECRC | 9667788552 | pranshu.sharma@jecrc.ac.in |
| 7 | Dr. Anita Jain | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives of students/girls | JECRC | 9829230353 | anitajain.lib@jecrc.ac.in |
| 8 | Mr. Mukht Bihari | JECRC/REG/2020-21/575 | 9/10/2020 | Representatives non-teaching | JECRC | 9982682915 | mukt@yahoo.com |

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t: 0141 2770120, 2770232 e: info@jecrcmail.com



Department of Electronics & Communication Engineering



Priya Jyotiyana <priyajyotiyana.cse@jecrc.ac.in>

Fwd: Reg. Hostel Night Duty

1 message

IQAC JECRC <iqac@jecrc.ac.in>

Tue, Nov 1, 2022 at 12:50 PM

To: Priya Jyotiyana <priyajyotiyana.cse@jecrc.ac.in>

----- Forwarded message -----

From: Principal JECRC <principal@jecrc.ac.in>

Date: Sat, Aug 28, 2021 at 4:23 PM

Subject: Reg. Hostel Night Duty

To: Vice Chairman <vicechairman@jecrc.ac.in>, director <director@jecrcmail.com>, CS Deptt. HOD <hod.cse@jecrc.ac.in>, Dean First year <deanfirstyear@jecrc.ac.in>, Dr.sandeep Vyas <dr.sandeepvyas.ee@jecrc.ac.in>, EE Deptt. HOD <hod.ee@jecrc.ac.in>, Gopal Tiwari <gopaltiwari.ee@jecrc.ac.in>, Hetram Sharma <hetram.ce@jecrc.ac.in>, HOD AI&DS <hod.ai@jecrc.ac.in>, HOD Chemistry <hod.chem@jecrc.ac.in>, HoD Civil <hod.ce@jecrc.ac.in>, HoD E&H <hod.eh@jecrc.ac.in>, HoD ECE <hod.ece@jecrc.ac.in>, HoD IT <hod.it@jecrc.ac.in>, HoD Maths <hod.maths@jecrc.ac.in>, HoD ME <hod.me@jecrc.ac.in>, HoD Physics <hod.phy@jecrc.ac.in>, IQAC JECRC <iqac@jecrc.ac.in>, Librarian JECRC <librarian@jecrc.ac.in>, M. P. Singh <mpsingh.me@jecrc.ac.in>, Manish Jain <dydirector.sp@jecrc.ac.in>, Office Last <os@jecrc.ac.in>, p. k. Gupta <cao@jecrc.ac.in>, Piyush Gautam <piyushgautam.it@jecrc.ac.in>, Rahul Saxena <pa.director@jecrc.ac.in>, Rajesh Sharma <rajeshsharma.sports@jecrc.ac.in>, Registrar JECRC <registrar@jecrc.ac.in>, Sandesh Pathak <sandeshpathak.act@jecrc.ac.in>, Tovindra Kumar Sahu <tovindra@jecrc.ac.in>, U. K. Pareek <ukpareek.math@jecrc.ac.in>, Vijay sharma <vjsharma22@gmail.com>, manju vyas <manjuvyas.cse@jecrc.ac.in>, Rekha JECRC <rekhamithal.chem@jecrc.ac.in>, Vinita Mathur <vinitamathur.ece@jecrc.ac.in>, Parul Tyagi <parulyagi.ece@jecrc.ac.in>, Richa Sharma <richasharma.cse@jecrc.ac.in>, Sonali Chadha <sonalichadha.ee@jecrc.ac.in>, Anita Jain <anitajain.lib@gmail.com>, Dr.Tripti Gupta <Drtriptigupta.math@jecrc.ac.in>, Yogita Punjabi <yogitapunjabi.math@jecrc.ac.in>, Ritu vyas <rituvyas.ece@jecrc.ac.in>, Neelu Jain <neelujain.eh@jecrc.ac.in>, Kusum Yadav <kusumyadav.it@jecrc.ac.in>, Vikas Sharma <vikassharma.ece@jecrc.ac.in>, Lalit kumar sharma <Lalitkumarsharma.me@jecrc.ac.in>, Nitin Chhabra <nitinchhabra.me@jecrc.ac.in>, Sachin Gupta <sachingupta.cse@jecrc.ac.in>, Amit Mithal <amitmithal.cse@jecrc.ac.in>, Jitendra sharma <jitendrasharma.ece@jecrc.ac.in>, Brijesh Kumar Singh <brijeshkumarsingh.it@jecrc.ac.in>, Tej Bahadur Singh <tejbahadur.me@jecrc.ac.in>, Ashish Boraida <ashish.ce@jecrc.ac.in>, Gajendra Sharma <gajendrasharma.cse@jecrc.ac.in>, Sunil Kumar Sharma <sunilksharma.ee@jecrc.ac.in>, Sunil Kumar Srivastava <sunil.math@jecrc.ac.in>, Jitendra Gupta <jitendragupta.me@jecrc.ac.in>, Dr.Manish Srivastava <manishsrivastava.me@jecrc.ac.in>, Ashish Sharma <ashishsharma.ece@jecrc.ac.in>, Shrikant Bansal <shrikant.bansal@gmail.com>, abhishek dixit <abhishekdxit.cse@jecrc.ac.in>, Dr.Vishal Saxena <vishalsaxena.math@jecrc.ac.in>, Dayal Singh Rathore <dayaisinghrathore.me@jecrc.ac.in>, Man Mohan Siddh <manmohan.me@jecrc.ac.in>, Yogesh Agarwal <yogesh.ce@jecrc.ac.in>, Dr. Rajkumar <rajkumar.phy@jecrc.ac.in>, Teekam Singh <teekamsingh.ce@jecrc.ac.in>

Circular No.2021-22/32

28.08.2021

CIRCULAR

Reg: Hostel night duty

Consequent upon re-opening of College and Hostels wef 01-09-2021, following faculty members will perform the night duty from **8 PM to 9 AM(Sunday being 10AM to 5PM)** as per the dates mentioned below. They will visit the hostel and mess during this period and will take dinner and breakfast in the respective hostel. Surprise rounds shall be taken (warden also shall be associated) at 2300hrs, 0100 hrs, 0300hrs and 0500 hrs to check whether everything is [mailto: Internet Explorer](#) following the rules and regulations of the Hostels. They will report to Chief Hostel Warden -



Department of Electronics & Communication Engineering

| Date | Day | Girl's Hostel | Boy's Hostel |
|----------------------------|-----------|-------------------------------|--|
| 1.09.2021 | Wednesday | Ms. Smita Agarwal, IT | Dr. Sanjay Gaur, CSE Mr. Vikas Sharma, ECE |
| 2.09.2021 | Thursday | Ms. Manju Vyas, AI | Mr. K K Saini, Civil Mr. Lalit Sharma, ME |
| 3.09.2021 | Friday | Dr. Rekha Mithal, Chy | Mr. Sandeep Vyas, ECE Mr. Nitin Chhabra, ME |
| 4.09.2021 | Saturday | Dr. Vinita Mathur, ECE | Dr. M P Singh, ME Mr. Sachin Gupta, CSE |
| 5.09.2021 (10AM to 5PM) | Sunday | Ms. Parul Tyagi, ECE | Mr. Amit Mithal, CSE Mr. Jitendra Kumar Sharma, ECE |
| 6.09.2021 | Monday | Ms. Richa Sharma, CSE | Mr. U K Pareek, Maths Mr. Brijesh Kumar Singh, IT |
| 7.09.2021 | Tuesday | Ms. Sonali Chaddha, ECE | Mr. Prerak Bhardwaj, EE Mr. Taj Bahadur Singh, ME |
| 8.09.2021 | Wednesday | Ms. Anita Jain | Dr. S K Dixit, Phy Mr. Ashish Boiradia, Civil |
| 9.09.2021 | Thursday | Ms. Mithilesh Arya, IT | Mr. Gajendra Sharma, ME Mr. Sunil Kumar Sharma, EE |
| 10.09.2021 | Friday | Dr. Barkha Srivastava, Chy | Dr. Sunil Kumar Srivastava, Maths Mr. Jitendra Gupta, ME |
| 11.09.2021 | Saturday | Ms. Ruchi Mathur, Maths | Dr. Manish Shrivastava, ME Mr. Ashish Sharma, ECE |

Department of Electronics & Communication Engineering

Annexure -A

ROLES & RESPONSIBILITIES CHART FOR NIGHT DUTY IN HOSTEL

| <u>S. NO.</u> | <u>FROM</u> | <u>TO</u> | <u>LOCATION OF DUTY</u> | <u>REPORTING TO</u> | <u>SIGNATURE OF WARDEN</u> |
|---------------|-------------|-----------|--|---------------------|----------------------------|
| <u>1.</u> | 8 PM | 9 PM | Presence in the Mess | Warden | |
| <u>2.</u> | 9 PM | 10 PM | Presence in the Lawn by the Male faculty member & Quadrangles by the Female faculty member | Warden | |
| <u>3.</u> | 10 PM | 11 PM | Hostel rooms visit | Warden | |
| <u>4.</u> | 11 PM | 11.30 PM | Tea time | | |
| <u>5.</u> | 11.30 PM | 12.30 PM | Hostel rooms visit. | Warden | |
| <u>6.</u> | 12.30 AM | | Rest | | |
| <u>7.</u> | 3 AM | 4 AM | Round of hostel and ground. | Warden | |
| <u>8.</u> | 8 AM | 9 AM | Tea & Breakfast | | |

Date: -

Signature of Faculty member



PRINCIPAL
Jalpaiguri Engineering College &
Research Centre
Tarak Road, Jalpaiguri-786022



JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE REPORT ON NIGHT DUTY

Dear Sir

Our night duty was scheduled on 3 August 2018 (Friday) to avoid ragging in (if any) Boys Hostel-I and Boys Hostel-II. We arrived at JECRC campus at 8 PM and reported to hostel warden Mr. Ashok Sharma. We stayed there overnight and visited both boys hostels BH-1 and BH-2 and nothing found suspicious. Also we talked to first year students, they don't have any issue till moment. They are enjoying their new phase of life. We instructed them to call/inform immediately to their respective hostel warden in case if they find anything uncomfortable.

Annexure -A

ROLES & RESPONSIBILITIES CHART FOR NIGHT DUTY IN HOSTEL

| S. NO. | FROM | TO | LOCATION OF DUTY | REPORTING TO | SIGNATURE OF WARDEN |
|--------|----------|----------|--|--------------|---------------------|
| 1. | 8 PM | 9 PM | Presence in the Mess | Warden | <i>Ashw</i> |
| 2. | 9 PM | 10 PM | Presence in the Lawn by the Male faculty member & Quadrangles by the Female faculty member | Warden | <i>Ashw</i> |
| 3. | 10 PM | 11 PM | Hostel rooms visit | Warden | <i>Ashw</i> |
| 4. | 11 PM | 11.30 PM | Tea time | — | — |
| 5. | 11.30 PM | 12.30 PM | Hostel rooms visit. | Warden | <i>Ashw</i> |
| 6. | 12.30 AM | | Rest | — | — |
| 7. | 3 AM | 4 AM | Round of hostel and ground. | Warden | <i>Ashw</i> |
| 8. | 8 AM | 9 AM | Tea & Breakfast | — | — |

Date: - **3/8/18**

Signature of Faculty member

1. Lalit Kumar Sharma *Lalit*

2. Piyush Gautam *Piyush*

Department of Electronics & Communication Engineering

Jaipur Engineering College & Research Centre

From : Principal Office

To : Members of Anti Ragging Committee

Noting Reference No. JECRC/01/2019-20/20

24/07/19

Minutes of the meeting and action taken

Venue : Board Room of Block C
Date & Time : Wednesday July 24, 2019 at 12:00 Noon

Agenda :

1. To Curb the Menace of Ragging
2. Any other issues

Members Present :

1. Shri O.P. Jain, Chair
2. Shri M.L. Sharma
3. Shri P.K. Tiwari
4. Prof. V.K. Chandna
5. Prof. A. Williamson
6. Shri P.K. Gupta
7. Dr. Ruchi Mathur
8. Ms. Raj Pareek
9. Dr. Sandeep Vyas
10. Shri Sitaram Gurjar
11. Shri Sumish Bhatnagar
12. Shri Amitabh Gupta
13. Shri Nitin Singh
14. Shri Mukesh Kumar
15. Shri Ashok Sharma
16. Shri Ravi Bhatnagar
17. Shri Ashish Kulshrestha
18. Dr. Anita Jain

Meeting started at 12:00 Noon; following items were discussed –

1. Shri O.P. Jain, Chair of the meeting welcomed all members and thanked all for their untired efforts for refrain the campus ragging free, as no case of ragging was reported during the year 2018-19. He readout circular of Prof. Rajnish Jain, University Grants Commission. He focused on the Ragging free campus and discussed on the following points –
 - a. Constitution of Anti Ragging committees and Anti Ragging Squads, Monitoring Cell and Disciplinary committee.
 - b. Undertaking from the students and their parents
 - c. Security in the campus and in the buses
 - d. Display of ample posters of ragging free campus



- e. Duties and responsibilities of hostel wardens (male as well as female)
 - f. Holding meetings, seminars, joint sensitization programmes involving students, faculty, parents, guardians, district authorities etc.
 - g. Identifying vulnerable places in the campus.
2. Action taken –
- a. Shri Ravi Bhatnagar, Incharge College bus, will ensure faculty member, those who are travelling through College, should be seated in the last row of the bus and also every day they will share the photograph of College bus alongwith students.
 - b. Dr. Anita Jain, Librarian, will ensure that library staff members will take care of the students while students are in the library.
 - c. Ms. Raj Pareek, Incharge Girls Hostel, will ensure homely atmosphere in Girls hostel and also form an anti-ragging squad comprising senior students and the warden in the Girls' Hostel.
 - d. Shri P.K. Gupta, CAO, alongwith hostel wardens will ensure regular round in the College campus and the nearby area. He will also form a separate anti ragging squad for hostelers comprising senior, junior students and the wardens.
 - e. Shri P.K. Tiwari, Sr. Advisor will take sessions for the Senior Students and the new comers. Registrar will prepare a detailed program.
 - f. Initially for one month, OS office will prepare duty chart of faculty members for night shift in the College hostels by ensuring one female faculty member in Girls' hostel and two male faculty members in the boys' hostel. Faculty members will stay and take round during the night hours.
 - g. Prof. V.K. Chandna, Principal will interact with all staff members on 24/07/2019 at 3:00 PM for Curbing the Menace of Ragging. Registrar will coordinate the meeting.
 - h. Registrar will prepare zone wise duty chart of faculty members.
3. In the end Chair of the meeting thanked all members for their active participation.
4. Meeting ended with a vote of thanks to the Chair.

Department of Electronics & Communication Engineering

1/19/22, 9:38 AM

JECRC Mail - CSE Vigilance team to ensure a nuisance free campus



Priya Jyotiyana <priyajyotiyana.cse@jecrc.ac.in>

CSE Vigilance team to ensure a nuisance free campus

1 message

HoD CS <hod.cse@jecrc.ac.in>
To: Faculty members - CS <faculty.cse@jecrc.ac.in>
Cc: Principal JECRC <principal@jecrc.ac.in>

Tue, Oct 26, 2021 at 12:32 PM

As per the direction of the higher authorities department of Computer Science & Engineering has been appointed following members of the Vigilance team to ensure a nuisance free campus.

All the faculty members are directed to take round and maintain the decorum as per given schedule and locations.

| No. | Name of Faculty | Timing | Location |
|-----|---------------------|-----------------------|--------------------------------|
| 1. | Mr Ashish Ameria | 08:30 AM – 12:00 Noon | Main gate to A Block |
| 2. | Mr. Kanishk Jain | | |
| 3. | Mr. Abhishek Dixit | 12:00 Noon – 03:30 PM | Main gate to A Block |
| 4. | Mr. Abhishek Jain | | |
| 5 | Mr Pradeep Sharma | 08:30 AM – 12:00 Noon | A Bock Ground Floor |
| 6 | Mr. Amit Mithal | | |
| 7 | Ms Tanta Shruti | 12:00 Noon – 03:30 PM | A Bock Ground Floor |
| 8 | Ms Neha Solanki | | |
| 9 | Ms. Suniti Chouhan | 08:30 AM – 12:00 Noon | A Bock First Floor |
| 10 | Mr Sachin Gupta | | |
| 11 | Ms Anima Sharma | 12:00 Noon – 03:30 PM | A Bock First Floor |
| 12 | Ms Richa Sharma | | |
| 13 | Ms Sweety Singhal | 08:30 AM – 12:00 Noon | Surrounding A Block to E block |
| 14 | Ms Garima Garg | | |
| 15 | Mr Rajan Jha | 12:00 Noon – 03:30 PM | Surrounding A Block to E block |
| 16 | Ms Uma Mahweswary | | |
| 17. | Ms Divya | 08:30 AM – 12:00 Noon | A Bock Second Floor |
| 18. | Dr. Vijeta Kumawat | | |
| 19. | Ms. Sheetal | 12:00 Noon – 03:30 PM | A Bock Second Floor |
| 20. | Ms. Geerija Lawania | | |

Dr. Sanjay Gour

Professor & Head, Department of Computer Science & Engineering
Jaipur Engineering College & Research Centre
Address: JECRC Campus, via Sitapura, Tonk Road, Jaipur-302022, Rajasthan, India
Vision of Computer Science Department

To become renowned Centre of Excellence in Computer Science and Engineering and make competent engineers and professionals with high ethical values prepared for lifelong learning.

<https://mail.google.com/mail/u/0/?ik=91bb167a01&view=pt&search=all&permthid=thread-f%3A1714664848009124070&siml=msg-f%3A1714664848...> 1/2



Department of Electronics & Communication Engineering



JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE

Dear Students,

- 1 We welcome and congratulate you for seeking admission in this college. It is a fact that in this transitional phase you have left your school life and probably homely environment and would be entering into a new phase. Therefore, we would be more than willing to help you solving problems/difficulties, if any faced by you as a fresher and would extend all the necessary help.
2. To overcome the menace of ragging, college, administration has already made plans for FRESHERS' induction and orientation, which promote efficient and effective means of integrating. These plans will be communicated to you by the office shortly.
3. Besides, we all would ensure that ugly scar of ragging is obliterated from the face of all educational institutions. Here, we would like to inform you that you may turn up to the following persons in case of any help/guidance in the most unlikely event of the so-called ragging.

| S.No. | Name | Designation | Mobile Number |
|-------|--------------------|---------------------|---------------|
| 1. | Dr. UK Pareek | Chief Proctor | 9785506667 |
| 2. | Ms. Ruchi Mathur | Proctor | 9828159024 |
| 3. | Mr. Anshul Mittal | Proctor | 9772620462 |
| 4. | Ms. Shruti Kalra | Proctor | 9414371413 |
| 5. | Dr. M. P. Singh | Proctor | 9414203639 |
| 6. | Dr. Anita Jain | Chief Librarian | 9829230353 |
| 7. | Ms. Sanjay Raghav | Warden Girls Hostel | 9982603534 |
| 8. | Mr. Ravi Bhatnagar | Transport Incharge | 9024149459 |
| 9. | Sh. PK Gupta | Chief Warden/CAO | 9982682475 |
| 10. | Sh. Ashok Sharma | Warden Boys Hostel | 9982682914 |

4. You are instructed that you should desist from doing anything against your will even if required by the seniors and should not have any fear, as the institution cares for you and shall not tolerate any mischief against any student.
5. You are requested not to hesitate in seeking any help and guidance and to report any incidents of harassment, teasing etc., either as victim or even as a witness.

May I add that your college has always been ragging-free.

Wishing you a bright future in the college.



V. Singh
July 2015
Principal



Department of Electronics & Communication Engineering

WOMEN CELL

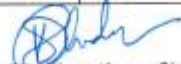


JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Ref: JECRC/REG/2021-22 /051

Date: 12/07/2021

| WOMEN CELL COMMITTEE 2021-22 | | | | | | | |
|------------------------------|-----------------------------------|---------------------------|---------------|------------------------|----------------------|---|--|
| Name | Position (Chairman/ Member) | Category | Qualification | Designation | Telephone Numbers | E-mail | Address |
| Dr. Barkha Srivastava | Presiding Officer | Senior Lady | Ph. D | Associate Professor | 7821995265 | barkhasrivasta va.chem@jecr c.ac.in | 102, Income Tax Colony, Malviya Nagar, Jaipur- 302017 |
| Dr. Shruti Kalra | Member | From NGO | Ph. D | Associate Professor | 9414371413 | shrutikalra.eco @jecrc.ac.in | 53-A, Scheme-3, Pratap Nagar, Jaipur |
| Sh. P.K. Tiwari | Member | Legal Representative | Post Graduate | Advisor | 9829044224 | pktiwari@jecrc .ac.in | Nirman Nagar, Jaipur |
| Dr. Vijeta Kumawat | Member | Faculty | Ph. D | Associate Professor | 9829176557 | vijetakumawat. cse@jecrc.ac.i n | J-57 B, Sharma colony, Nandpuri, 22 Godam, Jaipur |
| Dr. Anita Jain | Member | Staff/Member Secretary | Ph. D | Librarian | 9829230353 | anita.lib@jecrc .ac.in | D-268, Sarvanand Marg, Malviya Nagar, Jaipur |


Prof. (Dr.) Vinay Kumar Chandna
Principal

PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur-302022

CC to:

1. Director
2. Registrar
3. All Departmental HoD's
4. Account Office
5. OS
6. Library



2015-2016
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE,
(SHRI RAM KI NANGAL, VIA SITAPURA RIICO, OPP.EPIP GATE, TONK ROAD, JAIPUR-302022)

Women Cell

In accordance with the directives from AICTE New Delhi and RTU Kota, the existing Women cell for safe and secure working environments for girls and Women at JECRC Campus is hereby re-constituted as follows with immediate effect.

| S.NO. | NAME | POST | MOBILE NO. |
|-------|--------------------|-------------|------------|
| 1 | Dr. Seema Joshi | Chairperson | 9413689436 |
| 2 | Dr. Anita Jain | Secretary | 9829230353 |
| 3 | Ms. Neelam Chaplot | Member | 9414396960 |
| 4 | Dr. Urmila Gupta | Member | 9772524494 |
| 5 | Dr. Umesh Pareek | Member | 9785506667 |
| 6 | Smt. Raj Pareek | Member | 9982682911 |
| 7 | Ms. Ritu Vyas | Member | 9462213444 |

The Chairperson is requested to convene frequent meetings with Women staff and girl students and communicate any complaints and action taken thereon to the Vice-Chairman, the Director, The Principal and also the Registrar for onward transmission to the RTU, if necessary.

The Chairperson may also communicate the essence of any meetings held with the Government agencies, NGOs etc.



Principal

10.1.4. Delegation of financial powers

Department of Electronics & Communication Engineering

Reg. No. - 5770, dated 28.09.09

National Society for Engineering Research and Development

Regd. Off. : H-6, Chitraujan Marg, C-Scheme, Jaipur 302 001

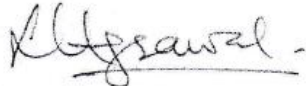
Phone - 91-0141-4199000

COPY OF RESOLUTION

GOVERNING BODY MEETING DATED 10th March 2017

Agenda Item No 4- Delegation of financial powers to the Head of Institution.

Secretary proposed that Principal of the Jaipur Engineering College & Research Centre (Head of Institution) may be delegated financial power for the expenditure up to Rs. 1.00 Lakh. Accordingly, it was resolved that Principal of the Jaipur Engineering College and Research Centre be delegated with the power for the expenditure up to Rs. 1.00 Lakh.



Secretary

National Society For Engineering
Research & Development
JAIPUR

Department of Electronics & Communication Engineering

Jaipur Engineering College & Research Centre

From : Principal Office

To : All Program Coordinators/HODs

Noting Reference No. JECRC/02/2017-18/269

29/05/18

Minutes of the Meeting

Venue : Board Room – Block A

Date & Time Wednesday; May 30, 2018 at 11:00 AM

Agenda

1. Confirmation of minutes of the last meeting during 2015-16
2. Annual report of the College for the academic year 2016-17
3. Annual report of the College for the academic year 2017-18
4. Proposed activities for the new academic year 2018-19
5. Any other issues with the permission of the Chair

Special invited Guest:

1. Shri Amit Agrawal, Special invited Guest

Members Present:

1. Shri M.L. Sharma, Chairman
2. Prof. (Dr.) V.K. Chandna, Member Secretary
3. Shri Manish Jain, Member
4. Dr. Umesh Kumar Pareek, Member
5. Dr. Naveen Hemrajani, Invited from other University
6. Dr. Sylvester Fernandes, Member (Invitees)
7. Shri Rajeev Bhargava, Member (Invitees)

Members absent:

1. Dr. Rajesh Singhal, Member (RTU Kota)
2. Nominee from the AICTE
3. Nominee of the state Govt./UT.
4. An Industrialist nominated by the State Govt.
5. Shri Deepak Motwani, Member (Invitees)
6. Shri Atul Kumar, Member (Invitees)

V. (P) 29/5/18

Contd..2/-



Department of Electronics & Communication Engineering

Meeting started at 11:00 AM; following items were discussed –


1. With the permission of the Chair, Dr. Vinay Kumar Chandna, Member Secretary welcomes all the dignitaries.
2. He read the last minutes of the meeting and further it was approved by the members unanimously.
3. He presents the annual report of the year 2016-17 and 2017-18, following items were discussed –
 - a. Vision and Mission of the institute
 - b. 12 points Program outcome
 - c. Decentralization of power – institute's organization chart was discussed. He informed that an amount of Rs. 10,000/- is sanctioned to all the Program Coordinators/HODs, Dean II Shift, Dean I year, all section incharges to meet out the immediate requirement of the fund. He also clears that on the submission of account further amount is disbursed.
 - d. Students' result analysis
 - e. For the placement data; it was made clear that placement percentage is based on unique offers. The data of higher education, engaged with family business, startups etc. will be included later.
 - f. Nine MoUs at National level and two MoUs at International level were signed to enhance the students' technical knowledge as per the market requirements. Shri Rajeev Bhargava suggested that we should adopt a process in which these certified courses should be validated by the MSME / University. These certificate courses may be examined by the university if possible it can be from JECRC University. Member secretary has noted the same for further action.
 - g. Content beyond syllabus was discussed. Shri Manish Jain informed the members about the duration of the course. Member secretary informed that these courses are running after the college hours. Students are taking interest in these courses.
 - h. Research Grants from the Govt. agencies and also proposed FDP/workshop/Seminar during the 2018-19 was discussed in brief. Member secretary informed that proposal of approx. 70 lacs were submitted to the Govt. agencies for conducting the different activities.
 - i. Budget and expenditure discussed in brief. Member secretary made clear that "other than R&D" means academic activities, it is not included research related activities. Shri Amit ji appreciated the R&D activities he pointed out that in the year 2015-16 budget was Rs. 2,50,000/- and in the year 2018-19 (proposed) it rose to Rs. 20,00,000/- it shows that students are taking interest in R&D activities.
 - j. QIV rating 2016-17 and 2017-18 was discussed. In the year 2016-17 the score was 616/1000 and after efforts this year it rose to 740/1000. Shri Amit Agrawal asked what is the highest marks so far, member secretary replied it will be checked out.

V. Pawar 22/11/18



Department of Electronics & Communication Engineering

- k. Member secretary told that faculty members will be motivated for paper publication at international level reputed journals.
 - l. Proposed activities for the coming year were discussed in brief.
4. Inputs by the industry –
- a. Dr. Silvester suggested that more budget for the students' R&D activities should be incorporated in more elaborate manner i.e. budget should be clearly mentioned R&D, transportation, other expenditure etc.
 - b. Centre of excellence should be opened 24x7.
 - c. Result oriented training program should be incorporated.
 - d. Shri Rajeev Bhargava suggested development of digital content
 - e. These types of meetings should be twice in a year.
 - f. In next meeting more representatives from the industry should be incorporated.
5. The meeting ended with a vote of thanks to the Chair.


Member Secretary

10.1.5. Transparency and availability of correct/unambiguous information in public Domain
All Information's are available at College Website, Students Broachers, Liberty etc.



Principal's Message

Jaipur Engineering College and Research Centre (JECRC) Jaipur is recognized as one of the best technical institute in the Rajasthan, and is adopting the process of change that demands quality outcome based education. The vision of the institute is to become an institute of excellence in imparting outcome based education, providing facilities to the students to get placement in reputed companies, providing a platform to the students for overall self-development that includes ethics and moral values, while developing research aptitude through project based learning.

In the process of implementing Outcome Based Education (OBE), the faculty members are measuring the progress and competencies of students as they go through a course in each semester and are being assessed against pre-defined targets.

Engineers are the wealth of the nation and excellence in all disciplines is the present requirement of the country, for sustained economic growth to compete globally. Nearly seventeen years ago, the founders of JECRC embarked on a journey to educate and nurture the finest engineers. It gives me immense pleasure to share that JECRC is contributing to the growth of the nation by providing outcome based education to their students and nurturing them to compete at a global level.

The faculty and technical staff members are committed to cater professional as well as research driven project based learning to the students, and accordingly the teaching-learning process is tuned so as to fulfil their career growth in the prevalent emerging technology. Different programmes have resulted in overall growth and penetration of students in varied dimensions, be it research, innovation, entrepreneurs, educationists or even as sports person and bureaucrats etc.

With the support of qualified, dedicated and hardworking faculty, the institute has achieved enviable ranking in a short span. I have no doubts that with this pace, the institute will relentlessly march ahead of other eminent institutes at the national level. Let's give our best and make this institute a modern temple of outcome based learning through our diligence, devotion and dedication.

All the credit goes to the outstanding reputation and dedication of the institute for all these years, under the able guidance of visionary Shri Amit Agrawal and Shri Anil Agrawal, Directors of the JECRC Foundation.

Wishing you all the best!


Dr. Vinay Kumar Chandra, Principal
B.E., M.E., Ph.D. (D.C.E.)
Sr. Member IEEE, IMASTE
MIEEE Education Society

Vision
To become a renowned centre of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

Mission

- Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.
- Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide a platform to gain knowledge and solutions.
- Offer opportunities for interaction between academia and the industry.
- Develop human potential to its full potential so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Department of Electronics & Communication Engineering



The screenshot shows the JECRC website interface. At the top, there is a navigation menu with links for Home, About, Students, Courses Offered, Training and Placements, Alumni, Abhyudaya, Downloads, SAR, and Contact Us. The main content area features a large group photograph of students and faculty members standing in front of a backdrop for 'JECRC MUN 2018'. Below the photo, a dark blue banner reads 'Welcome to JECRC Foundation'. Underneath the banner, there is a paragraph of text: 'An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large. Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :'. The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying the time as 12:03 PM on 9/6/2018.

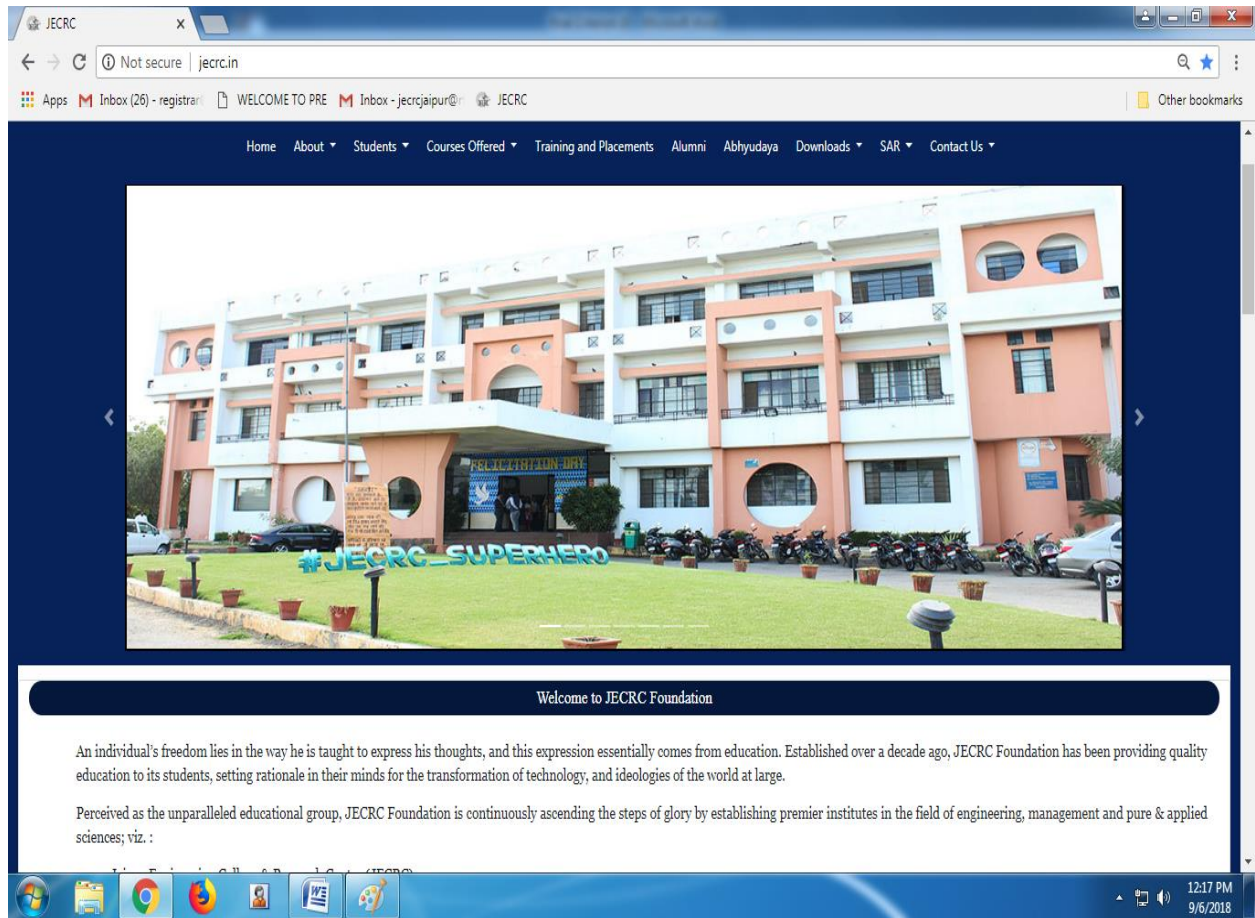
Welcome to JECRC Foundation

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Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :



Department of Electronics & Communication Engineering



Home About Students Courses Offered Training and Placements Alumni Abhyudaya Downloads SAR Contact Us

#JECRC_SUPERHERO

Welcome to JECRC Foundation

An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large.

Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :



Department of Electronics & Communication Engineering

The screenshot displays the JECRC website interface. At the top, a navigation bar contains the text "Development of a unique and creative approach to life and education is the prime focus of JECRC Foundation." Below this, the website is organized into three main columns:

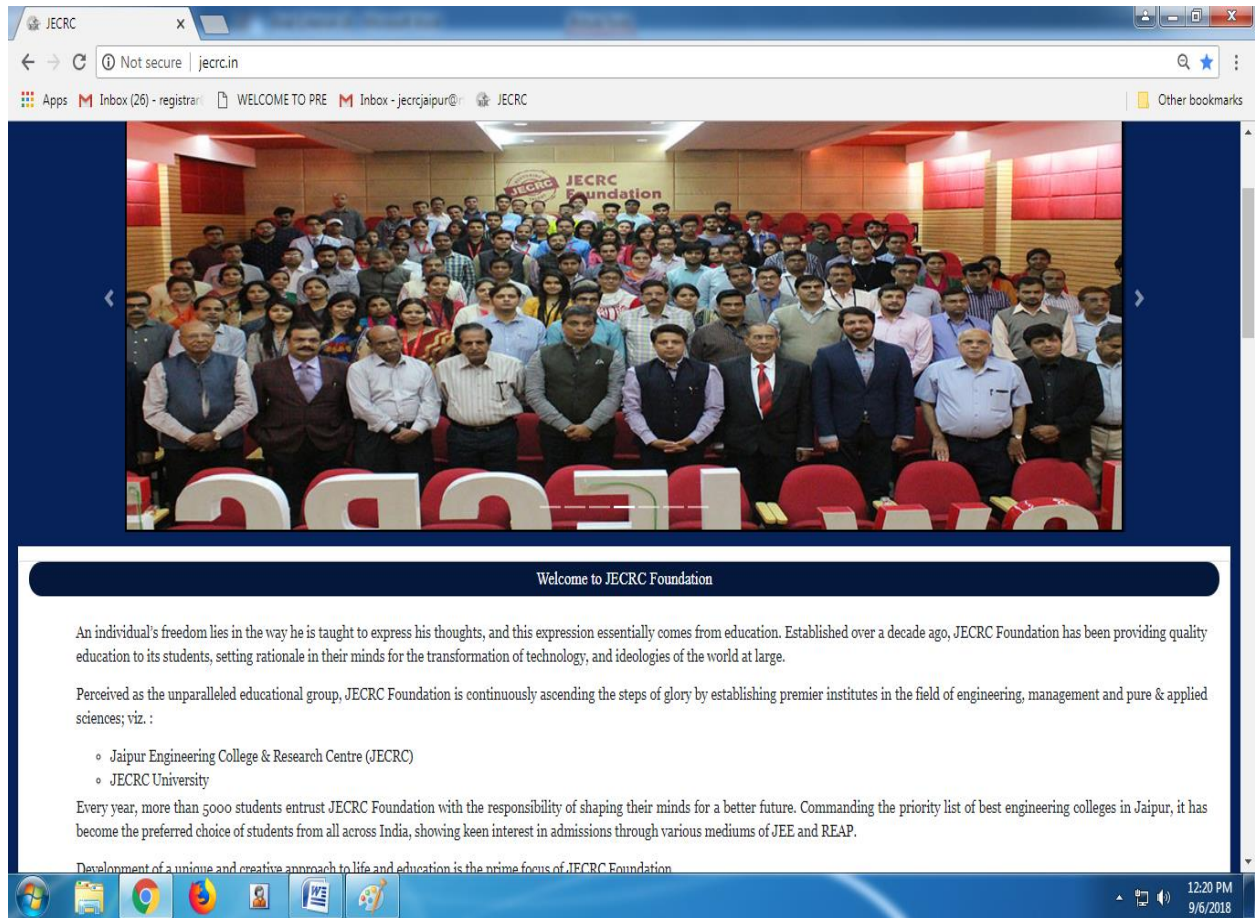
- NEWS & EVENTS:** A list of recent activities including "JMAG Edition-9 released.", "Sh. Anil Agarwal, Chairman, Vedanta Resources Plc @ JECRC", "700 Placements in 2 Days with 2 Companies", "Induction Day for Batch 2015-19", "JMAG Edition-7 released.", "Anti-Ragging Initiative", and "NIRF Engineering".
- PRINCIPAL'S MESSAGE:** Features a portrait of Dr. V.K. Chandna, Principal. The message states: "Jaipur Engineering College and Research Centre (JECRC), Jaipur is recognized as one of the best technical institute in the Rajasthan and is adopting the process of change that demands quality outcome-based education. The vision of the institute is to become an institute of Excellence in imparting outcome based education, providing facilities to the students to get placement in reputed companies, providing platform to the students for overall self-development that includes..."
- DIRECTOR'S MESSAGE:** Features a portrait of Shri Arpit Agrawal, Director. The message reads: "Welcome to JECRC Foundation. At JECRC Foundation we are committed to ensure holistic development of our engineers who are going to be at the leadership positions in the coming years. We inspire our engineers to build their own world and a life based on power of knowledge coupled with strength of traditional wisdom unleashing the countless opportunities to become leaders pushing the frontiers of Science and Technology to embark on an enduring..."

Below these columns is a section titled "Outcome based education" with a paragraph explaining that Jaipur Engineering College and Research Centre has implemented Outcome Based Education (OBE) since 2014-15, aiming to align with global standards like the Washington Accord.

The browser window shows the URL "jecrc.in" and the system tray at the bottom indicates the time is 12:18 PM on 9/6/2018.



Department of Electronics & Communication Engineering



Not secure | jecrc.in

Apps | Inbox (26) - registrar@... | WELCOME TO PRE | Inbox - jecrcjaipur@... | JECRC | Other bookmarks

Welcome to JECRC Foundation

An individual's freedom lies in the way he is taught to express his thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality education to its students, setting rationale in their minds for the transformation of technology, and ideologies of the world at large.

Perceived as the unparalleled educational group, JECRC Foundation is continuously ascending the steps of glory by establishing premier institutes in the field of engineering, management and pure & applied sciences; viz. :

- Jaipur Engineering College & Research Centre (JECRC)
- JECRC University

Every year, more than 5000 students entrust JECRC Foundation with the responsibility of shaping their minds for a better future. Commanding the priority list of best engineering colleges in Jaipur, it has become the preferred choice of students from all across India, showing keen interest in admissions through various mediums of JEE and REAP.

Development of a unique and creative approach to life and education is the prime focus of JECRC Foundation

12:20 PM
9/6/2018



Department of Electronics & Communication Engineering

The faculty and technical staff members are committed to cater professional as well as research driven project based opportunities to become leaders pushing the frontiers of Science and Technology to embark on an enduring

Outcome based education

Jaipur Engineering College and Research Centre, Jaipur has implemented Outcome Based Education (OBE) in the Institute. JECRC is proud to mention that it has created necessary manpower and infrastructure to implement Outcome Based Education from the year 2014-15. So far the Technical Institutions have been imparting teaching through a traditional system where the learning outcomes of the students are not clearly measured. The 'Washington Accord' emphasize on outcome based education. There is a need to develop a standard approach to match quality assurance for Engineering Programs. The graduating Engineers of the future will need to be evaluated in their outlook and experience and be ready for global opportunities. So, there is a need and challenge for all Technical Institutions to aid and empower the future students for global environment.

CORRELATION - PEQS, POS AND COS

Outcome Based Education

The OBE Framework

KEY CONSTITUENTS OF OUTCOME BASED EDUCATION

The Outcome Based Education focuses on outcomes through achievement of learning objectives of their program. The OBE strongly emphasize student centric learning and adaptation of modern teaching-learning systems. JECRC has gone far ahead in implementing OBE where every student will distinctly write-down the learning outcomes in every hour of lecture he/she attends. The Teachers have been given specialized training to embark on OBE method of delivery and use of modern teaching-learning systems. With this OBE, it is expected that the students distinctly gain excellent knowledge in their relevant branch and contribute to the development of the organizations where they are employed.

JECRC is also a Centre for imparting training on NBA which emphasize on OBE. The OBE process at JECRC is expected to raise the standards of Technical Education imparted in the Institute in the coming years. JECRC is committed for creating knowledge, skills and problem solving abilities among students of all ranks.



Department of Electronics & Communication Engineering

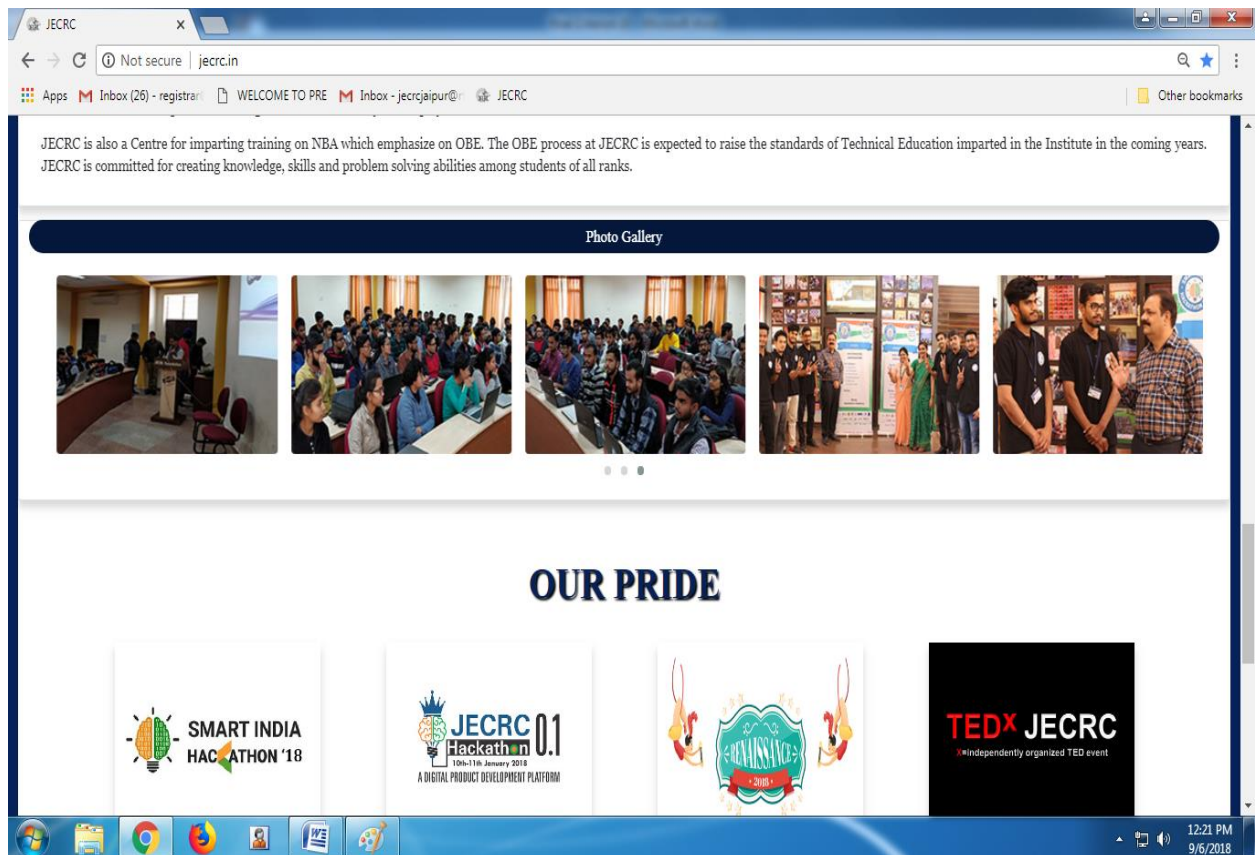
The screenshot displays a web browser window with the URL `jecrc.in`. The page content includes:

- A paragraph describing Outcome Based Education (OBE): "The Outcome Based Education focuses on outcomes through achievement of learning objectives of their program. The OBE strongly emphasize student centric learning and adaptation of modern teaching-learning systems. JECRC has gone far ahead in implementing OBE where every student will distinctly write-down the learning outcomes in every hour of lecture he/she attends. The Teachers have been given specialized training to embark on OBE method of delivery and use of modern teaching-learning systems. With this OBE, it is expected that the students distinctly gain excellent knowledge in their relevant branch and contribute to the development of the organizations where they are employed."
- A second paragraph: "JECRC is also a Centre for imparting training on NBA which emphasize on OBE. The OBE process at JECRC is expected to raise the standards of Technical Education imparted in the Institute in the coming years. JECRC is committed for creating knowledge, skills and problem solving abilities among students of all ranks."
- A "Photo Gallery" section with five images showing students and faculty engaged in various activities, including a presentation and a robotics competition.
- An "OUR PRIDE" section featuring logos for "SMART INDIA", "JECRC 01", and "TEDx JECRC".

The Windows taskbar at the bottom shows the system clock as 12:21 PM on 9/6/2018.



Department of Electronics & Communication Engineering



Department of Electronics & Communication Engineering

The Outcome Based Education focuses on outcomes through achievement of learning objectives of their program. The OBE strongly emphasize student centric learning and adaptation of modern teaching-learning systems. JECRC has gone far ahead in implementing OBE where every student will distinctly write-down the learning outcomes in every hour of lecture he/she attends. The Teachers have been given specialized training to embark on OBE method of delivery and use of modern teaching-learning systems. With this OBE, it is expected that the students distinctly gain excellent knowledge in their relevant branch and contribute to the development of the organizations where they are employed.

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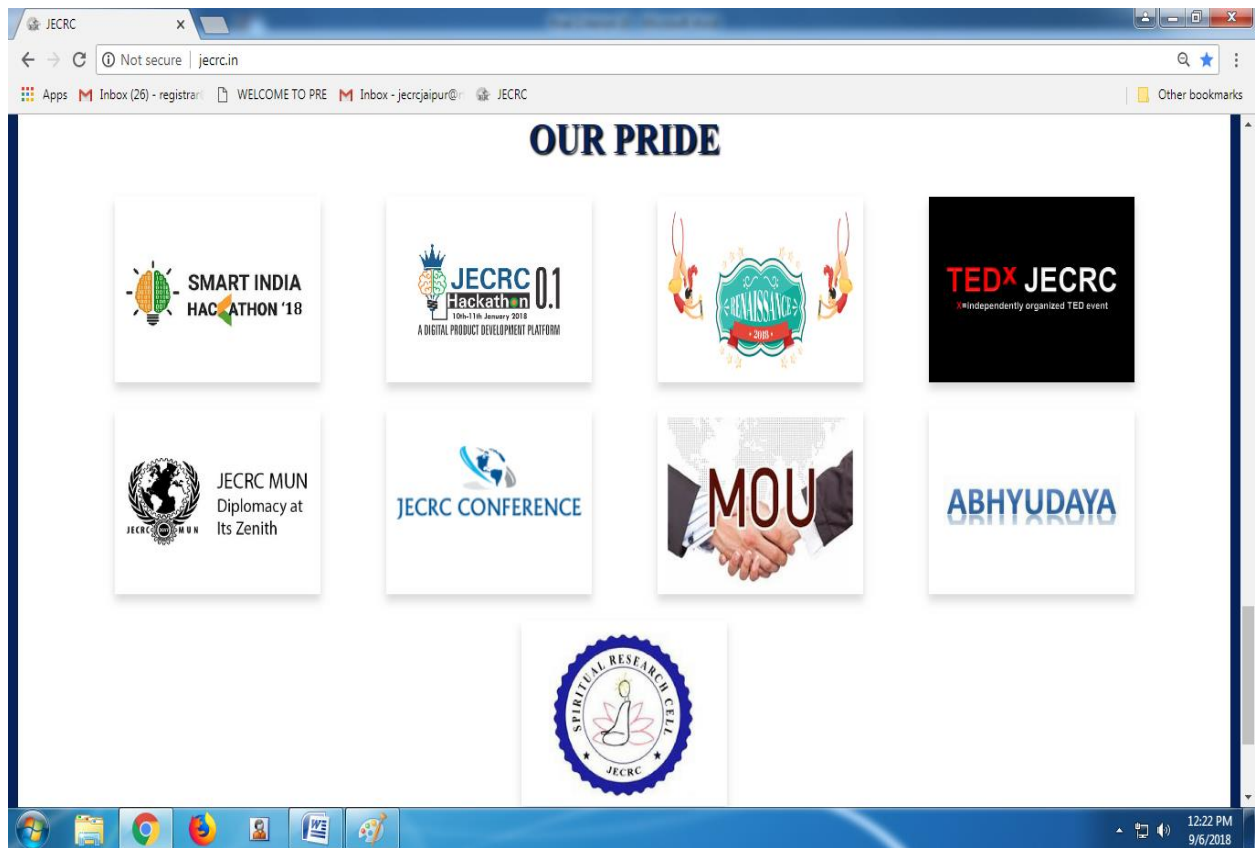
Photo Gallery

OUR PRIDE

12:22 PM
9/6/2018



Department of Electronics & Communication Engineering





Department of Electronics & Communication Engineering

JECRC

Not secure | jecrc.in

Apps | Inbox (26) - registrar@... | WELCOME TO PRE | Inbox - jecrcjaipur@... | JECRC | Other bookmarks

Jaipur Engineering College And Research Centre

Approved by AICTE & Affiliated to Rajasthan Technical University, Kota (REAP CODE: 020)
Shri Ram ki Nangal, via Sitapura RIICO, Tonk Road, Sukhpuria, Bambala, Jaipur, Rajasthan 302022

Home | About | Students | Courses Offered | Training and Placements | Alumni | Abhyudaya | Downloads | SAR | Contact Us

- JECRC Brochure
- CSE Newsletter
- ME Newsletter
- ECE Newsletter
- IT Newsletter
- CE Newsletter
- Bonafide Form

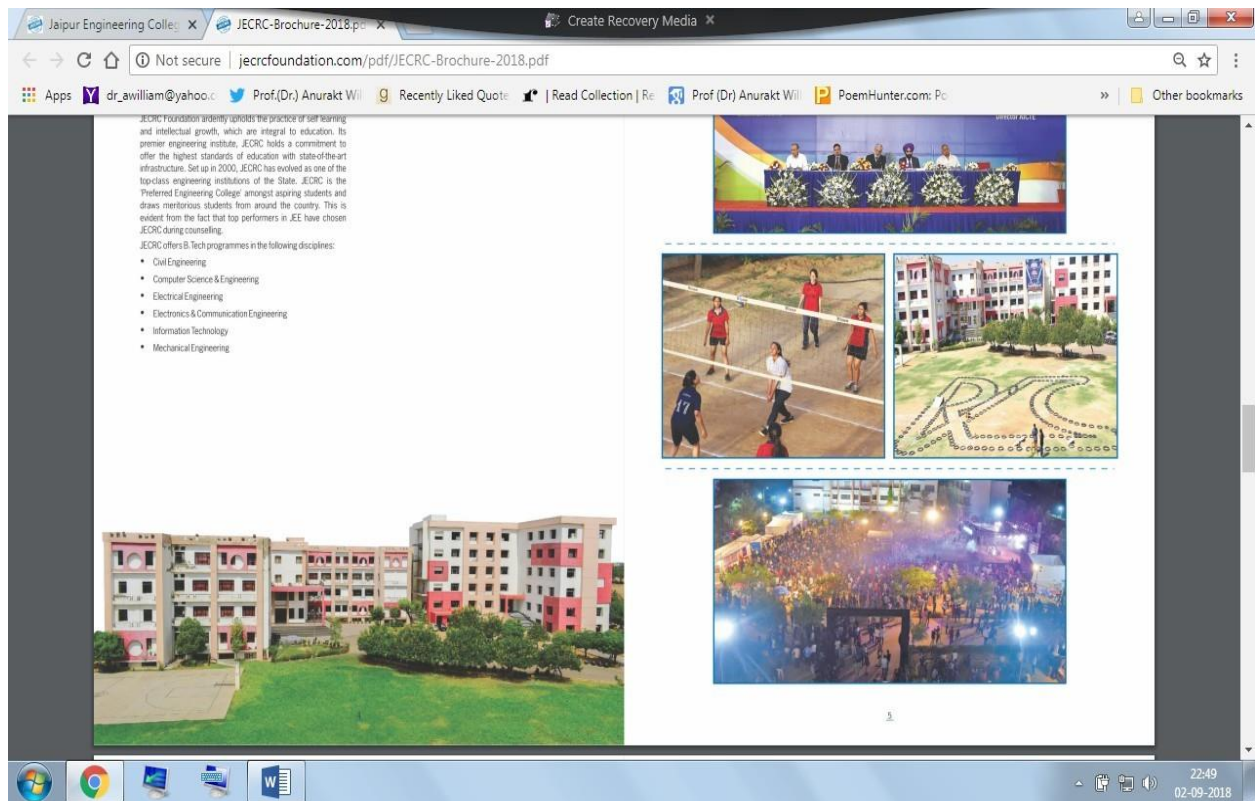
Welcome to JECRC Foundation

is thoughts, and this expression essentially comes from education. Established over a decade ago, JECRC Foundation has been providing quality

12:24 PM
9/6/2018



Department of Electronics & Communication Engineering



Department of Electronics & Communication Engineering

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Apps dr_william@yahoo.c Prof.(Dr) Anurakt Wil Recently Liked Quote | Read Collection | Re Prof (Dr) Anurakt Will PoemHunter.com: Po Other bookmarks

JECRC-Brochure-2018.pdf

For the Second Time In a Row
Jecrc Foundation Produced

THE HIGHEST NUMBER
Of **Microsoft Student Partner**
Selected From A Single Group Of Institution In India.

10 Student

JECRC UNIVERSITY

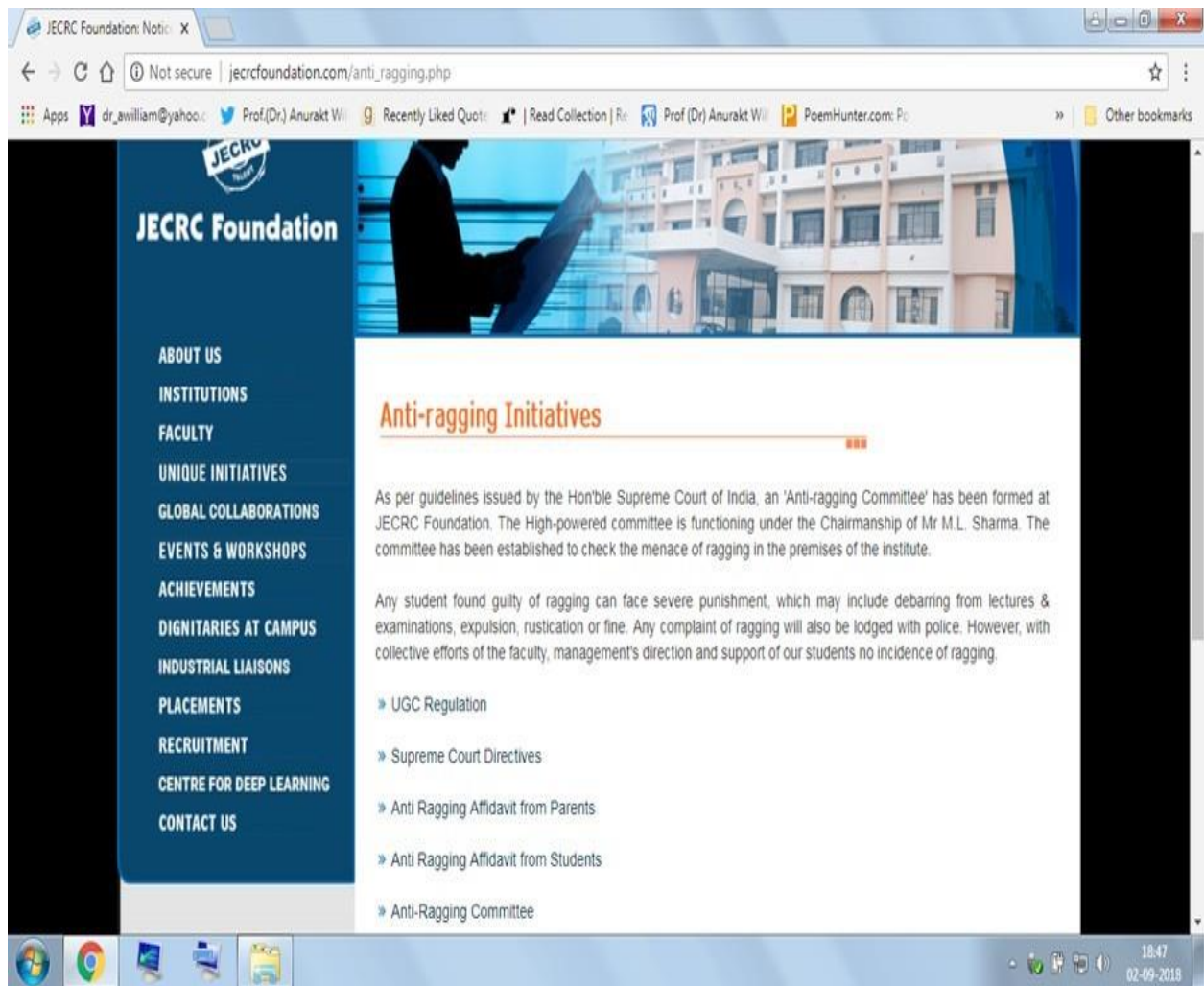
www.jecrcfoundation.com

JECRC
JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

00:33
03-09-2018



The screenshot shows the homepage of the JECRC Foundation website. The browser address bar displays "Not secure | jecrcfoundation.com/index.php". The page features a navigation menu with "CONTACT US" and "BUILD YOUR WORLD". The main content area includes a "News & Events" section with two items: "01 JMAG Edition-9 released." and "02 Sh. Anil Agarwal, Chairman, Vedanta Resources Plc @ JECRC". Below this are buttons for "Anti-Ragging Initiative", "NIRF Engineering", and "NIRF Overall", followed by a "Photo Gallery" section. The central "Welcome to JECRC Foundation" section contains a quote: "When education sees its course, a dream opens its eyes", is the belief of the foundation under the aegis of which top engineering colleges in India are set up. Education is just a spark for which it ignites the minds and inflames the intellect. Ignited minds change the world and bring us a better tomorrow. It goes beyond developing one's knowledge and sharpening his skills as it paves the way for progress of a nation and its generations to come. In the 18 years of educational journey the JECRC Foundation has set up some of the best engineering colleges and nurtured the essence of growth in education. The JECRC Engineering College was the first venture of the foundation in the league of the best colleges for B.Tech in Rajasthan. The Foundation has earned respect of being the most reputed educational group in north India with the establishment of some of the best colleges in Rajasthan, prime focus being the holistic approach and overall development of its students." To the right, there is a "JECRC Foundation" logo, a "LEEP-2018" button, and buttons for "INTERNAL SLIDING REAP-2018" and "INTERNAL SLIDING NOTICE". A "College & Hostel Fee 1st Installment Demand Notice 2018" button is also visible. The "Media Coverage" section displays logos for JECRC, UDML, and JECRC University. The Windows taskbar at the bottom shows the system clock as 18:55 on 02-09-2018.



JECRC Foundation

- ABOUT US
- INSTITUTIONS
- FACULTY
- UNIQUE INITIATIVES
- GLOBAL COLLABORATIONS
- EVENTS & WORKSHOPS
- ACHIEVEMENTS
- DIGNITARIES AT CAMPUS
- INDUSTRIAL LIAISONS
- PLACEMENTS
- RECRUITMENT
- CENTRE FOR DEEP LEARNING
- CONTACT US

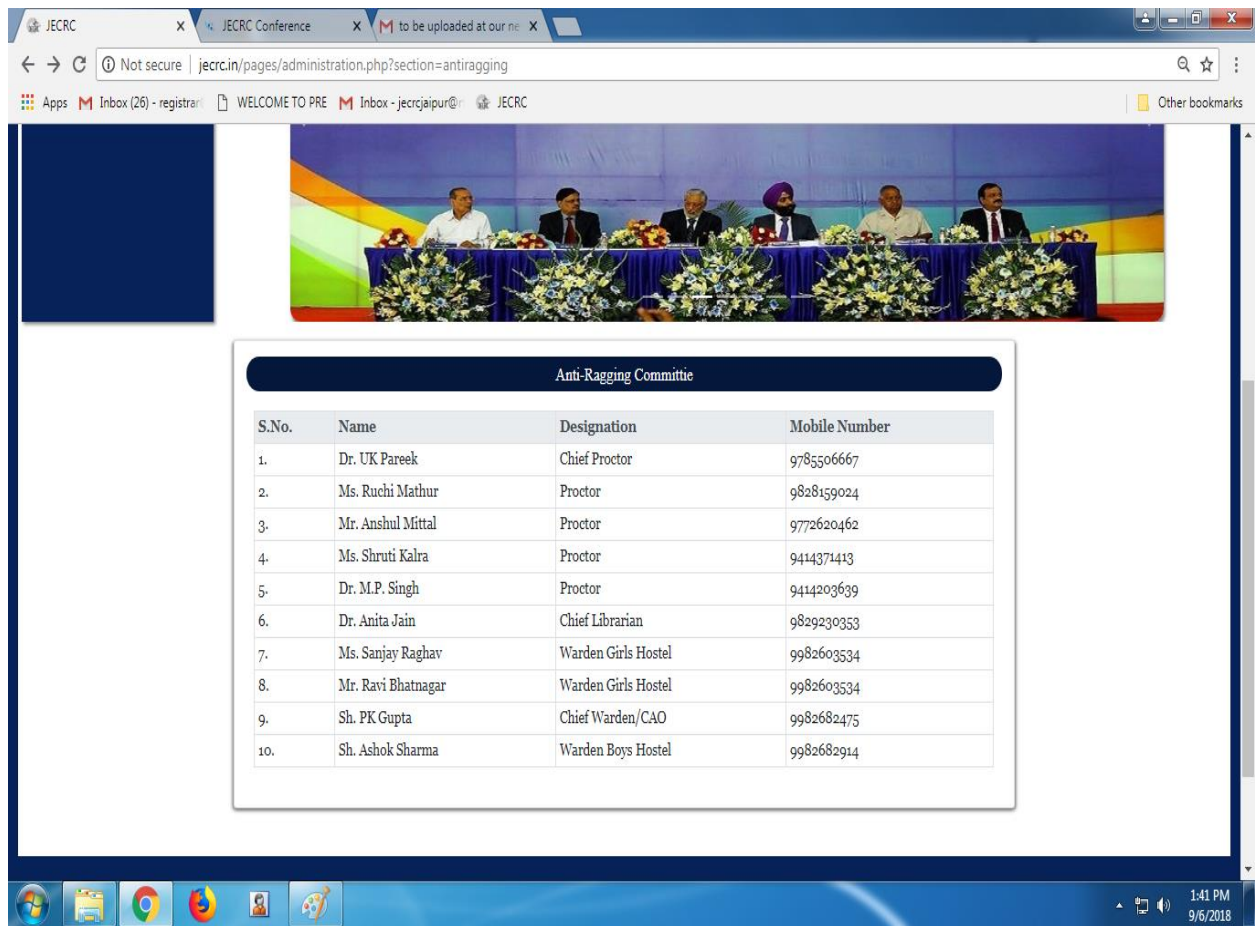
Anti-ragging Initiatives

As per guidelines issued by the Hon'ble Supreme Court of India, an 'Anti-ragging Committee' has been formed at JECRC Foundation. The High-powered committee is functioning under the Chairmanship of Mr M.L. Sharma. The committee has been established to check the menace of ragging in the premises of the institute.

Any student found guilty of ragging can face severe punishment, which may include debarring from lectures & examinations, expulsion, rustication or fine. Any complaint of ragging will also be lodged with police. However, with collective efforts of the faculty, management's direction and support of our students no incidence of ragging.

- » UGC Regulation
- » Supreme Court Directives
- » Anti Ragging Affidavit from Parents
- » Anti Ragging Affidavit from Students
- » Anti-Ragging Committee

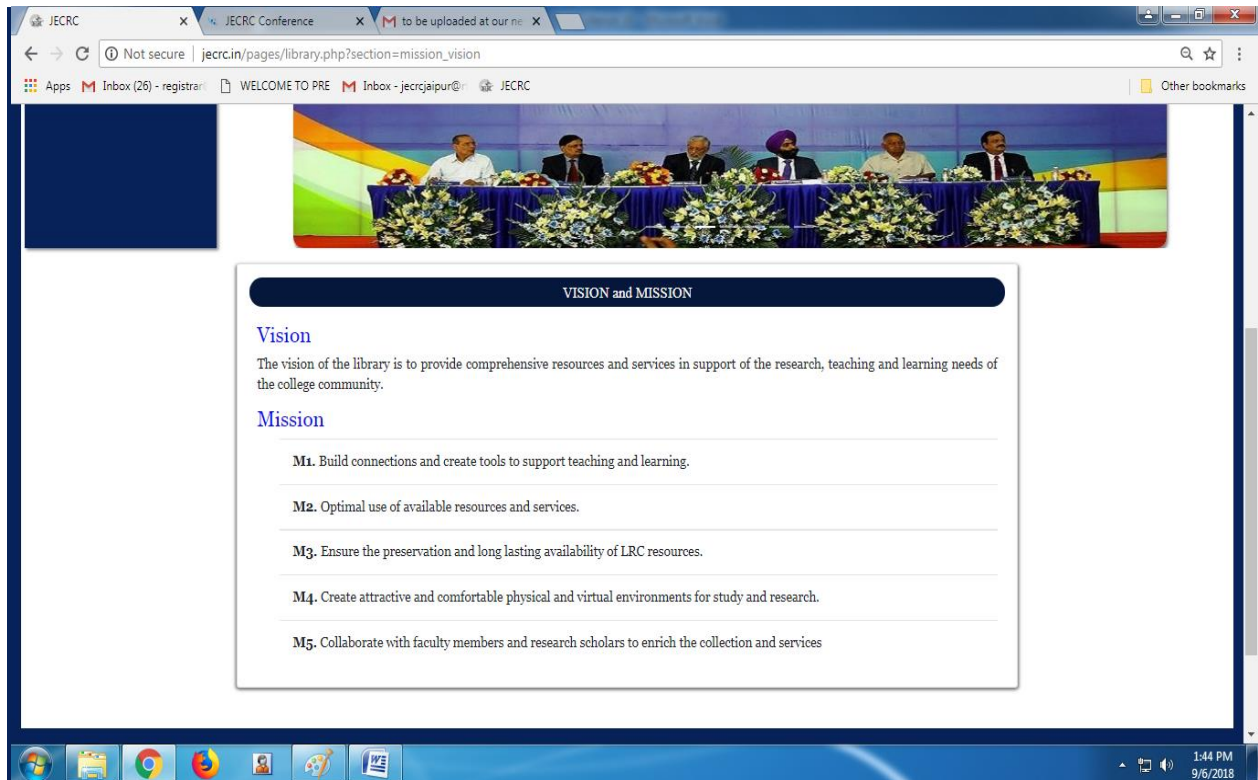
18:47
02-09-2018



Anti-Ragging Committee

| S.No. | Name | Designation | Mobile Number |
|-------|--------------------|---------------------|---------------|
| 1. | Dr. UK Pareek | Chief Proctor | 9785506667 |
| 2. | Ms. Ruchi Mathur | Proctor | 9828159024 |
| 3. | Mr. Anshul Mittal | Proctor | 9772620462 |
| 4. | Ms. Shruti Kalra | Proctor | 941437413 |
| 5. | Dr. M.P. Singh | Proctor | 9414203639 |
| 6. | Dr. Anita Jain | Chief Librarian | 9829230353 |
| 7. | Ms. Sanjay Raghav | Warden Girls Hostel | 9982603534 |
| 8. | Mr. Ravi Bhatnagar | Warden Girls Hostel | 9982603534 |
| 9. | Sh. PK Gupta | Chief Warden/CAO | 9982682475 |
| 10. | Sh. Ashok Sharma | Warden Boys Hostel | 9982682914 |

Library



The screenshot displays a web browser window with the following details:

- Browser Tabs:** JECRC, JECRC Conference, M to be uploaded at our ne
- Address Bar:** Not secure | jecrc.in/pages/library.php?section=mission_vision
- Taskbar:** Shows icons for Windows, File Explorer, Chrome, Firefox, and other applications.
- System Tray:** Shows the time as 1:44 PM and the date as 9/6/2018.

Page Content:

VISION and MISSION

Vision
The vision of the library is to provide comprehensive resources and services in support of the research, teaching and learning needs of the college community.

Mission

- M1.** Build connections and create tools to support teaching and learning.
- M2.** Optimal use of available resources and services.
- M3.** Ensure the preservation and long lasting availability of LRC resources.
- M4.** Create attractive and comfortable physical and virtual environments for study and research.
- M5.** Collaborate with faculty members and research scholars to enrich the collection and services

Spiritual Research Lab

In this fast pacing world running behind the power of technology, there is a loss of awareness of Self and the Supreme power. The meaning of life has changed its definition from happiness to luxury. A pious place is created in JECRC to rejuvenate and re-establish the lost definition of Self and broken connection with the Supreme. It has a sound proof 'Meditation Room' developed as a silence zone for meditation and self-contemplation. It also includes a Spiritual Library, with collection of best selling spiritual and inspirational books. Regular classes are conducted in Wisdom Hall which is designed as a smart classroom. A Research Laboratory for conducting research on meditation is equipped with EEG, EMG, Karadacian, Aura Scanning and other health monitoring devices. Mr. Mukesh Agarwal, Ms. Chitra Khandelwal and Ms. Aakanksha Desai are providing insight for the accomplishment of objectives of the Spiritual Cell.

Events @ Spiritual Research Lab

Mindfulness Survey at College

A survey of Mindfulness of the Faculty members was conducted using a psychological tool, Five Facet Mindfulness Questionnaire (FFMQ) in May 2017.

Yoga Day at JECRC University

A one hour session was conducted on June 21 st, 2017 on Indian Yoga & Meditation at Spiritual Research Cell, JECRC Campus. Shri Mukesh Agarwal, Asst. Prof. (CSE) conducted the session with meditation practitioner and trainer on 'Patanjali's Ashtang Yoga and the benefits of meditation in daily life' on the occasion of Yoga Day after the Yoga practice at SMS Stadium.

Joy of Giving: First Anniversary of Spiritual Research Cell

During the Joy of Giving week and on the First anniversary of the Spiritual Research Cell, Oct. 6, 2017, a value based session for students of Zarurat was organized where Shri Aspit Agarwal, Director JECRC graced the occasion.

Self-Empowerment through Meditation

The screenshot shows a web browser window with the following content:

- Self-Empowerment through Meditation**
An intensive 8 days workshop from Nov. 2 nd, 2017 to Nov. 10 th, 2017 for First Year students was organized for empowerment through Meditation. Special Invitee, Prof. (Dr.) Vijay Singh Rathore, MOD CSE, enlightened the students.
- AICTE Health Survey**
During a workshop on Executive Leadership Program, Dec. 24 th - 25 th, 2017, the team members and AICTE staff members were invited for advanced health survey using Bio-well and Karadasean.
- Self-Empowerment through Meditation -II**
In continuation with the Workshop in December, second series of the session on Self-Empowerment through meditation was conducted successfully with two batches for first year students during Feb. 8 th to Feb. 16 th 2018. Guest Speaker Rajyogini B. K. Sushma was invited on the final day of the workshop for an interactive session on 'Practical Spirituality'.
- Research Presentation at London International Conference**
Comparative analysis of mindfulness was presented at the International conference, ICICT (International Congress on Information and Communication Technology) during 27 th -28 th February, 2018 in Brunel University, London and published in Springer Proceedings. It was found in this research study that meditators are more observant and non-reactive than non-meditators. Hence, meditation helps in developing useful coping skills for successful and happy living.
- Yoga Class during Smart India Hackathon**
With the sunrise in the bright sunshine of March 31 st, 2018, participants were revived with some yoga exercises and peaceful meditation. After the session, teams were again guided by the mentors and then they got back to their coding again!!

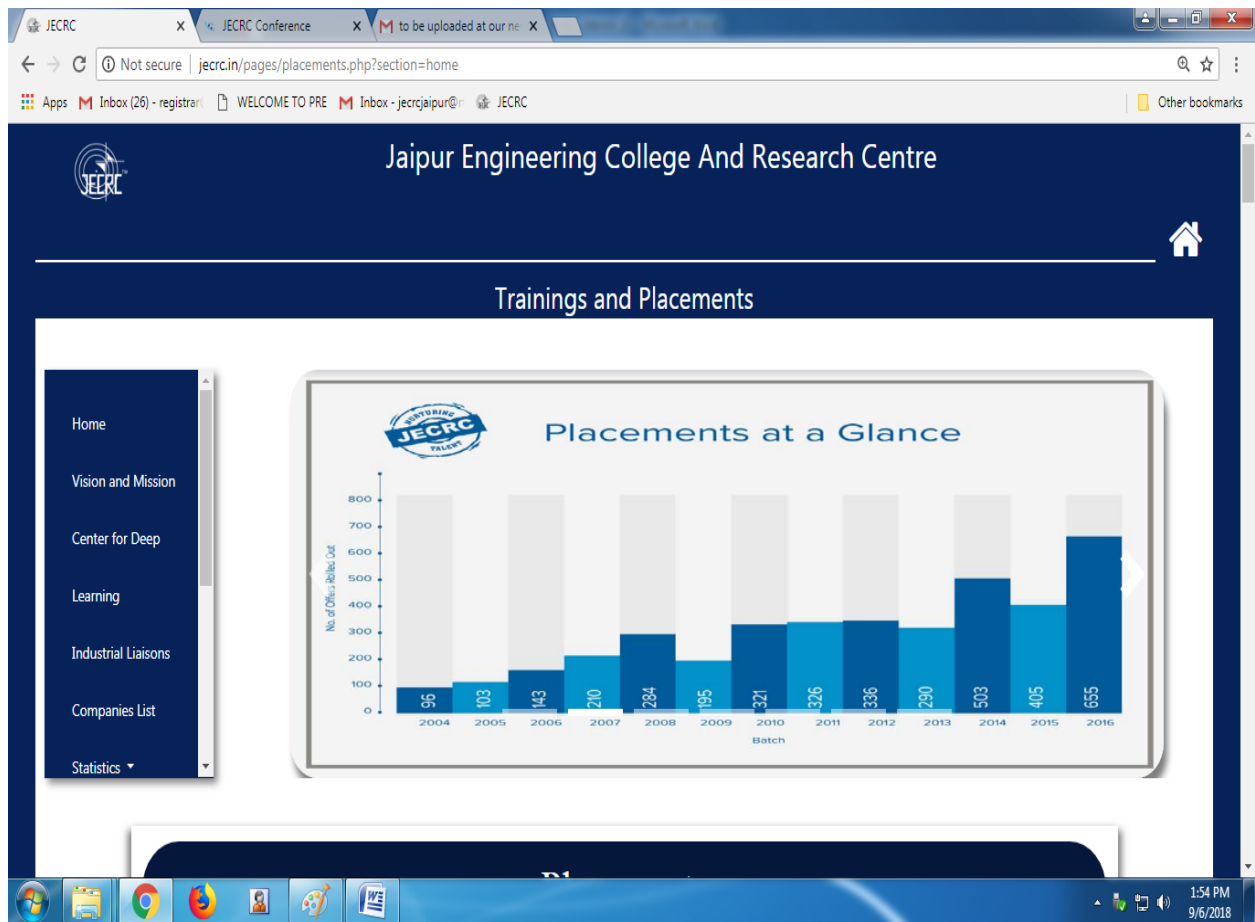
The screenshot displays a web browser window with the URL `jecrcfoundation.com/engineering.php`. The page features a dark blue navigation sidebar on the left with the following menu items: ABOUT US, INSTITUTIONS, FACULTY, UNIQUE INITIATIVES, GLOBAL COLLABORATIONS, EVENTS & WORKSHOPS, ACHIEVEMENTS, DIGNITARIES AT CAMPUS, INDUSTRIAL LIAISONS, PLACEMENTS, RECRUITMENT, CENTRE FOR DEEP LEARNING, and CONTACT US. The main content area is titled "Jaipur Engineering College & Research Centre" and includes a logo, three buttons for "Admission Enquiry", "Brochure", and "Faculty List", and a paragraph describing the institution's commitment to self-learning and intellectual growth. A photograph of the college building is also present. The footer of the page reads "Bachelor of Technology | B.Tech. Programe and Intake". The browser's taskbar at the bottom shows the date and time as 18:59 on 02-09-2018.

The screenshot shows a web browser window with the URL `jecrcfoundation.com/engineering.php`. The page title is "Admission in Engineering". The main content area features the heading "Bachelor of Technology | B.Tech. Programme and Intake". Below this, a paragraph states: "JECRC offers 4-year Bachelor of Technology (B.Tech.) degree programmes, which are approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to the Rajasthan Technical University, Kota, Rajasthan."

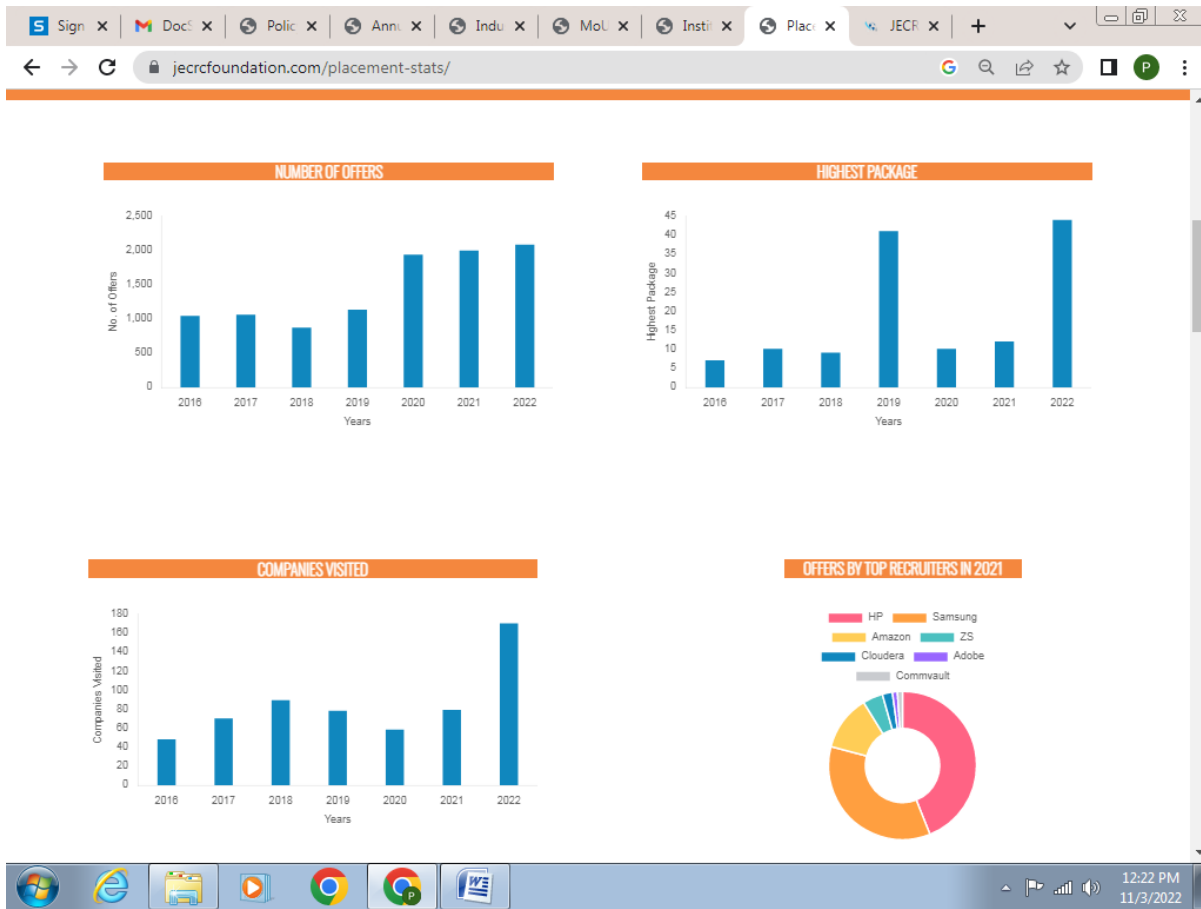
| Programmes | Intake |
|---|------------------------|
| Electronics & Communication Engineering | 240 |
| Electrical Engineering | 120 |
| Computer Science & Engineering | 180 |
| Information Technology | 90 |
| Mechanical Engineering | 120 |
| Civil Engineering | 120 |
| Lateral Entry (in 2nd year) | 20% of 1st year Intake |
| Kashmiri Migrants | 44 |
| TFWS | 50 |
| Second Shift | 60 |
| Mechanical Engineering | 60 |
| Computer Science & Engineering | 60 |

To the right of the table is a small image showing a person in a graduation cap and gown. Below the table, the section "The JECRC Advantage" is followed by "Cultural Fest-Renaissance" and a paragraph: "The national level techno cultural fest of JECRC, Renaissance has made a niche for itself among all colleges in the".

The browser's taskbar at the bottom shows the Windows logo, several application icons, and the system tray with the time 19:00 and date 02-09-2018.



Department of Electronics & Communication Engineering



The screenshot shows a web browser window displaying the JECRC website. The browser's address bar shows the URL `jecrc.in/pages/placements.php?section=home`. The website header includes the JECRC logo and the text "Jaipur Engineering College And Research Centre". Below the header, the page is titled "Trainings and Placements".

The main content area features a section titled "Sectors of Mass Recruiter" with a blue background. This section is divided into four columns, each representing a major recruiter and their associated sectors:

- TATA CONSULTANCY SERVICES (TCS):**
 - Power Energy Resources & Utilities
 - Manufacturing
 - Life Science
 - Media Technology
 - Banking & Financial
 - Public Services
- Infosys:**
 - Aerospace and Defense
 - Airlines
 - Automotive
 - Industrial Manufacturing
 - Oil & Gas
 - Banking & Financial
- accenture:**
 - Automotive & Industries
 - Energy
 - Chemicals
 - High Tech
 - Consumer Goods & Services
 - Capital Market
- IBM:**
 - Artificial Intelligence
 - Mobile Technologies
 - Life Science
 - Telecommunication
 - Banking & Financial

A navigation menu is visible on the left side of the page, listing: Home, Vision and Mission, Center for Deep, Learning, Industrial Liaisons, Companies List, and Statistics. The Windows taskbar at the bottom shows the system clock as 1:49 PM on 9/6/2018.

Department of Electronics & Communication Engineering

The screenshot displays the 'placement-stats/' page of the JECRC Foundation website. The page features six distinct panels, each highlighting a different employer and their recruitment of JECRC students. The top row includes Amazon, Commvault, and CloudEra. The bottom row includes Hewlett Packard Enterprise, a general hiring statistics panel, and Samsung. The website interface includes a browser window at the top with multiple tabs and a taskbar at the bottom with various application icons and system information.

Amazon offers JECRC students a record Rs. 44 Lac package
JECRCians have received placement offers from Amazon at a dream package of up to Rs. 44 Lac per annum. While the world is still in a recession, JECRC is establishing dominance in Placements and creating benchmarks. We look forward to our brilliant engineers making new strides in their careers and inspiring others to strive for excellence.

COMMVAULT
JECRC Student hired by America's leading software company Commvault.
JECRC has placed one of its prodigies, Ishaan Chaturvedi, B.tech. (Computer Science Engineering) at America's leading software company, Commvault, at a super dream annual CTC (INR) of 25 LPA.

CLOUDERA
CloudEra selected two JECRCians at CTC Rs 22 LPA
Our students Riddhi and Krati from Batch 2022 have gotten their first taste of the professional world at CloudEra with a package of 22 LPA, one of India's leading companies. Both JECRC students will be able to build bright futures with our unmatched placement support and training.

Hewlett Packard Enterprise
JECRC Students Hired by HPE at a package of Rs. 10 Lac
More than 30 JECRC Foundation students have received offers worth Rs10 Lac from Hewlett Packard Enterprise.

HIRING
Over 10,000 offers made in recent years by top recruiters
JECRC becomes the favorite landing place for top recruiters like Amazon, HPE, Accenture, Tech Mahindra, Capgemini, Bosch Engineering, Tata Consultancy Services, Pinnacle, TATA Power and many more!

SAMSUNG
32 JECRC Students Hired by Samsung at a package of Rs. 7 Lac
32 JECRC students have received offers worth Rs 7 Lac from Samsung.

OUR RECRUITERS



The screenshot displays the website for Jaipur Engineering College And Research Centre (JECRC). The browser address bar shows the URL `jecrc.in/pages/placements.php?section=home`. The page header includes the JECRC logo and the text "Jaipur Engineering College And Research Centre". Below the header, the section "Trainings and Placements" is visible. A central banner titled "Few of Our Core Recruiters" features a grid of logos for various companies, including BRIDGESTONE, HLS ASIA LIMITED, adani, BAJAJ, FEV, SECURE, BOSCH, Pinnacle Infotech, RMD, Mahindra, LIUGONG, Tivani, AIS, ANORA, TATA TECHNOLOGIES, ERICSSON, TAJ, Genus, ERA, Perto, SAINT-GOBAIN, nbc, SAMSUNG, ashiana, JK Cement LTD., idea, RELIANCE Infrastructure, and HIKVISION. A left-hand navigation menu lists: Home, Vision and Mission, Center for Deep Learning, Industrial Liaisons, Companies List, and Statistics. The Windows taskbar at the bottom shows the system time as 1:48 PM on 9/6/2018.

Department of Electronics & Communication Engineering

The screenshot displays the JECRC Conference website. At the top, it identifies the organization as JECRC CONFERENCE, Jaipur, Rajasthan, India. It lists several international conferences organized by JECRC, including ICETEAS 2023, ICRITDME 2021, ICCOMET 2022, ICSGPERE 2020, and ICETCESD 2020. Below the conference list is a large image of the JECRC campus building.

Upcoming Conferences @ JECRC

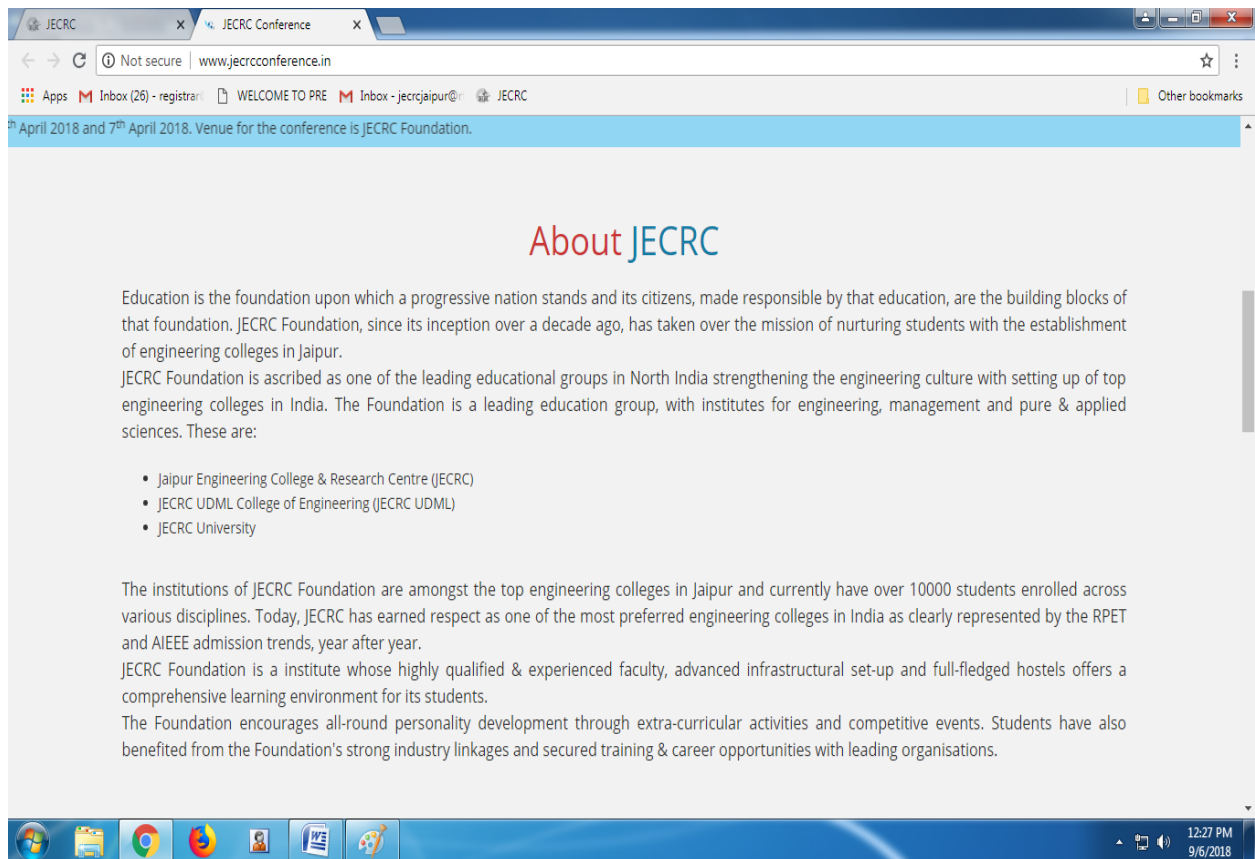
| Conference Title | Conference Date | Venue | View |
|---|---|--|------------------------------|
| International Conference on Advances in Materials Science, Communication and Microelectronics 2021 | February 19 th to February 20 th , 2021 | JECRC Campus, Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022 | View Details |
| INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY AND DIGITAL APPLICATIONS (ICITDA) | April 3 rd to April 4 th , 2020 | JECRC Campus, Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022 | View Details |
| INTERNATIONAL CONFERENCE ON SMART GRID POWER ELECTRONICS & RENEWABLE ENERGY (ICSGPERE) | April 3 rd to April 4 th , 2020 | JECRC Campus, Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022 | View Details |
| INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN CIVIL ENGINEERING FOR SUSTAINABLE DEVELOPMENT (ICETCESD) | April 3 rd to April 4 th , 2020 | JECRC Campus, Shri Ram ki Nangal, via Sitapura RIICO Tonk Road, Jaipur-302 022 | View Details |

Previous Conferences @ JECRC

The screenshot shows the Windows taskbar at the bottom of the page, indicating the time as 12:24 PM on 11/3/2022.



Department of Electronics & Communication Engineering



April 2018 and 7th April 2018. Venue for the conference is JECRC Foundation.

About JECRC

Education is the foundation upon which a progressive nation stands and its citizens, made responsible by that education, are the building blocks of that foundation. JECRC Foundation, since its inception over a decade ago, has taken over the mission of nurturing students with the establishment of engineering colleges in Jaipur.

JECRC Foundation is ascribed as one of the leading educational groups in North India strengthening the engineering culture with setting up of top engineering colleges in India. The Foundation is a leading education group, with institutes for engineering, management and pure & applied sciences. These are:

- Jaipur Engineering College & Research Centre (JECRC)
- JECRC UDML College of Engineering (JECRC UDML)
- JECRC University

The institutions of JECRC Foundation are amongst the top engineering colleges in Jaipur and currently have over 10000 students enrolled across various disciplines. Today, JECRC has earned respect as one of the most preferred engineering colleges in India as clearly represented by the RPET and AIEEE admission trends, year after year.

JECRC Foundation is an institute whose highly qualified & experienced faculty, advanced infrastructural set-up and full-fledged hostels offers a comprehensive learning environment for its students.

The Foundation encourages all-round personality development through extra-curricular activities and competitive events. Students have also benefited from the Foundation's strong industry linkages and secured training & career opportunities with leading organisations.

College Broachers





JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Approved by AICTE & Affiliated to RTU, Kota

21 Years of
**Academic
Eminence**
Years of Nurturing Talent



via RIICO, Shri Ram ki Nangal, Tonk Rd, Sitapura, Jaipur, Rajasthan 302022

www.jecrcfoundation.com



JECRC BROCHURE 2021-22 3 / 25 63%

JECRC Foundation 21 Years of Nurturing Talent

A PIONEER IN HIGHER LEARNING IN THE STATE OF RAJASTHAN, THE JECRC FOUNDATION IS REDEFINING THE ACADEMIC SPACE WITH RESEARCH ORIENTED EDUCATION THAT PUTS EXCELLENCE ABOVE ANYTHING ELSE.

JECRC Foundation through National Society for Engineering and Research Development is contributing significantly since decades at the national stage with 12000 students and 2500 residential inmates. In addition to graduate and post graduate programmes the units of the foundation is transformed into research stations with a very strong research based programmes contributing research articles in international journals and filing patents.

It has got very strong corporate connect resulting into over 90% of students getting placed every year. Scores of funded projects are undertaken worth crores of rupees every year. There are several center of excellences and research centers such as makers club with 3D printers, CNC machines with CAD CAM software, Cadence Or CAD software, Tamiat tools, SPSS software and so on.

There is a very strong Entrepreneurship Development and Incubation Centre resulting into big number of entrepreneurs and startups.

Almost all the students get the chance for National/International Internship training for six months during their studies.

The course curriculum of the University is updated six monthly through Board of Studies with academic excellence and industry experts.

With a strong base sports and games, students compete and win National/International awards. Through numerous clubs of the Foundation uplifts the technical skills, cultural activities and social responsibilities of every individual student.

JECRC UNIVERSITY
BUILD YOUR WORLD
www.jecrcuniversity.edu.in

Beating the Odds, Creating the Legacies!

1994

35% FEMALE PLACEMENT 4.5 LAKH AVERAGE PACKAGE

Placement Offers
97 COMPANIES
as on 25th May 2021 | for Graduates of 2021

Deloitte, Infosys, Chegg, Xebia, HashedIn, IBM, Accenture, BillDesk, ATCS, Hewlett Packard Enterprise, & MANY MORE...

Indispensable Pillars of Placement

OFFICE OF THE DEAN, RAJASTHAN UNIVERSITY OF TECHNOLOGY
VICE CHANCELLOR, RAJASTHAN UNIVERSITY OF TECHNOLOGY
PROFESSOR, RAJASTHAN UNIVERSITY OF TECHNOLOGY
ASSISTANT PROFESSOR, RAJASTHAN UNIVERSITY OF TECHNOLOGY
DEAN, RAJASTHAN UNIVERSITY OF TECHNOLOGY
DEAN, RAJASTHAN UNIVERSITY OF TECHNOLOGY
DEAN, RAJASTHAN UNIVERSITY OF TECHNOLOGY
DEAN, RAJASTHAN UNIVERSITY OF TECHNOLOGY

12:26 PM 11/3/2022





JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

CONDUCT RULES AND GUIDELINES FOR STUDENTS

A. Discipline and wisdom are essential traits of a professional. Students of JECRC are expected to observe the highest standards of discipline.

B. The following acts by a student shall be construed as indiscipline:

1. **Misbehavior** with teachers, employees of the college, colleagues, girls students, juniors, wardens, proctors and visitors and acting against decorum in college premises- classrooms, laboratories, playgrounds, any type of transportation and hostels.
2. **Ragging** New Students.
3. Using **insulting, abusive and indecent language** in general and in the college premises and hostel, in particular.
4. **Damaging college property** including apparatus, books, fixtures and fittings, building, vehicles, fauna and flora in the college.
5. **Not attending class** and not participating in curricular activities as per the University ordinances.
6. **Not appearing in class tests and examinations.**
7. **Not paying attention to mentor** advice and warning notices.
8. **Wearing poor, indecent and Provocative dresses.**
9. **Coming late** to the college and leaving early.
10. **Leaving college premises** or hostel **without permission** of the Principal, Teacher, mentor, warden etc, as the case may be.
11. **Not paying dues and fee in time.**
12. **Not following the college calendar** and timing for co-curricular and extracurricular activities such as games and sports, cultural activities etc.
13. Forming clubs, association, society, forum or groups without the permission of appropriate authority such as Principal, Mentor, warden, proctor or other college authority.
14. **Spreading unfounded rumors** or canards, which may disrupt the college activities and disturb the college discipline.
15. **Using unfair means** in test and examinations.
16. **Causing injury to any person** or participating in acts of hooliganism within and outside the college campus and in public places such as roads, bus stand, cinema halls, railway station, airport, factories, restaurants, dhabas, hotels etc.
17. Indulge in any act, which may on investigation be confirmed as an act of indiscipline by the college or by Law.

C. Reporting of Acts of Indiscipline

The following will observe and report acts of indiscipline by the students to the Apex Disciplinary Committee consisting of the Senior Advisor, Principal, director HRD, one or more HODs and a member of the society or its nominee.

1. **Class/Subject teacher** : Late coming, shortage of attendance, indiscipline, ragging and lack of attentiveness or concentration in classes, indecent clothing, poor performance in test and examinations and laboratory activities and workshops.
2. **Mentor** : General behaviour of student with teachers, colleagues, employees etc.
3. **Warden** : Behaviour in hostels and default in paying dues.
4. **Librarian** : Behaviour in library, damages to books, theft of books etc.
5. **Proctor** : Late coming / early going, general behaviour in the campus with colleagues, teachers, employees etc. Discipline in the public place.
6. **Any employee** : Affected by an act of indiscipline.
7. **Any Student** : Affected by act of indiscipline.

Department of Electronics & Communication Engineering

D. Anti-Ragging Measures

- a) All students shall follow the UGC/AICTE Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009, State Government/RTU/College Authorities Guidelines etc. on the subject.
- b) Any violation of the guidelines would result in expulsion from the college besides the penal action as may be decided by the authorities in this regard.

E. Penalty for acts of Indiscipline

When an act of indiscipline has been reported to the Apex Discipline Committee (ADC) a sub-committee formed by ADC shall investigate the reported act of indiscipline thoroughly and submit a detailed report on the incident.

The ADC will then examine the report and take suitable action against the incumbent depending on the severity of the act of indiscipline.

The following penalty may be imposed on a student.

1. Warning and Reprimand
2. Fine
3. Warning and Fine
4. Deduction of marks in DECA marks
5. Withholding permission to participate in an activity or examination
6. Rustication from the College for a certain period
7. Reporting to police if the act falls under penal law
8. Removal from hostel

F. Some Specific Penalties

| S. No. | Area of Indiscipline | PUNISHMENT (one or more) |
|--------|--------------------------------|---|
| 1. | Class attendance less than 75% | Not allowed to appear in examinations |
| 2. | Coming late to college | 1. Warning 2. Deduction of discipline marks |
| 3. | Damage to items and property | 1. Recovery of cost 2. Appropriate fine |
| 4. | Damage / Theft of Books | 1. Warning 2. Recovery of double the cost of Book 3. Fine of Rs. 500/- |
| 5. | Misbehavior | 1. Warning 2. Fine of Rs. 2000/- to 5000/- |
| 6. | Indiscipline in Hostel | 1. Warning 2. Fine of Rs. 2000/- to 5000/- 3. Rustication from Hostel |
| 7. | Unfair means in examinations | 1. Action as per university rules including Police case |
| 8. | Hooliganism / Ragging | 1. Warning 2. Deduction of discipline marks 3. Police case 4. Fine that can go to even Rs. One Lakh 5. Rustication from the college |


 PRINCIPAL
 Jyoti Engineering College &
 Research Centre
 Tirth Road, Jalgaon-392012

Principal





JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

HOSTEL RULES AND REGULATIONS

1. General

- The hostel facility includes boarding and lodging and is meant for those students of JECRC Foundation who are not residents of Jaipur and are serious about their studies, can maintain proper discipline and decorum.
- Hostel facility may be provided to the students, who are of Jaipur only if spare capacity is available at the discretion of administration.
- The rooms are double and triple seated with facilities such as cot, study table, chair and wardrobe. The students will have to bring their own mattress and pillow with linen.
- All residents of the hostel shall follow the hostel rules & regulations.
- Hostel room is allotted for the academic session i.e. beginning of session to 3 days after the last date of RTU exams.

2. Hostel Charges

- The annual hostel charges such as rent and boarding and other miscellaneous charges are decided by the College administration. Such charges are payable by the resident in two instalments. The first instalment is payable at the beginning of the session along with Rs. 5000/- as security deposit. The second instalment is payable as decided by the administration.
- If the dues are not paid timely, the membership for the hostel shall cease automatically and the student shall have to apply afresh for renewal /readmission.
- No refund shall be made by the college if a resident leaves the hostel before the expiry of the session, and the balance outstanding fee if any will be recoverable from the student.

3. Vacating the Hostel

- If a resident wishes to leave the hostel he/she will have to give one month's notice and will be allowed to leave only when the Principal and the Chief Warden/CAO give their permission. However, no claim for any refund of charges will be entertained.
- Further, if a resident is found or held guilty of indiscipline, ragging or any other such activity which is against the rules, norms and instructions of the institute, he/she shall be directed to leave the hostel by the Chief Warden/CAO. In such cases also there shall be no refund of any charges.
- Security charges of Rs. 5000/- will however be refunded after getting a no dues certificate from the Chief Warden/Warden.
- If a resident is found involved in ragging, his admission to the hostel and the college will be cancelled and in view of Supreme Court's directives a case will be registered in the Police Station against him / her.

4. Mess Rules

- Residents shall take all their meals in the hostel mess. This includes breakfast, lunch, tea and dinner. Non-vegetarian meals or snacks including eggs shall neither be served nor be permitted.
- Residents will be served meals only during the prescribed timings as indicated below :

| S.No. | Activites | Summer |
|-------|-----------|-------------------------|
| 1. | Breakfast | 7.30 to 8.20 a.m. |
| 2 | Lunch | 11.45 a.m. to 1.15 p.m. |
| 3 | Tea | 5.30 to 6.00 p.m. |
| 4 | Dinner | 8.00 to 9.00 p.m. |



- c) All residents shall be provided common menu.
- d) Residents shall not carry their meals wholly or in part, outside the mess. They shall not carry any utensil or other property of the mess outside the dining hall. In case of non-compliance, a fine of Rs. 50/- will be charged from the defaulters.
- e) Residents shall not interfere with cooking or other services and shall not handle mess equipment any time.
- f) Sick residents may be allowed to eat their meals in their rooms with the written permission of the warden.
- g) No outsider shall take breakfast, lunch, tea or dinner without prior written permission of the warden. If permitted, the host resident shall pay the charges in advance to the college through coupons available at college counter.
- h) Resident shall cooperate with the mess employees and deal with them in a polite and courteous manner.
- i) Residents shall pay their mess dues regularly as prescribed.
- j) Lodging and board facility may be made available during vacation provided at least 60 of the residents remain in the hostel. No boarding charges will be refunded at any time once paid.
- k) Dress code - All residents will enter the hostel dining hall in proper presentable dress at all times. Students shall not be allowed to enter in bathroom slippers, shorts and sleeping suits.
- l) The Hosteller shall take proper care of his belongings especially costly items like Mobile, Phone and Laptops etc. and shall bring these items on his risk. The Hostel / College administration shall not be responsible in any way, for any loss or damage to these items.

5. Entry in / Out of Hostel

- a) The following timing shall be observed for maintenance of discipline in Hostel and Institute Campus.
 - a. Opening of Hostel Gate - 06.00 a.m. (Summer), 06.30 a.m. (Winter)
 - b. Closing of Hostel Gate (Boys) - 09.00 p.m.
 - c. Closing of Hostel Gate (Girls) - 07.30 p.m. (Summer), 6.00 p.m. (Winter)
- b) Residents shall not go outside their rooms between 10:00 and 6:00 a.m. without permission of the Chief Warden/Warden I/C except for attending institute's functions or authorized academic work in the institute. Attendance may be taken during these hours.
- c) Residents shall not leave station without obtaining prior written permission of the warden. They shall report to the warden immediately on return.
- d) Residents shall not invite any unauthorized person in their hostel. They shall deal only with the authorized vendors, washermen, cobblers etc. during the prescribed hours and pay them at prescribed rates.
- e) Visit of outside person (including parents) to residents of hostel will be restricted up to the "Visitors room" only. No hosteller shall take his/her guest to their room in any circumstances. In exceptional circumstances, parents may be allowed to stay for a day in the guest room, on prior approval of Principal/CAO/Chief Warden, on payment of the prescribed charges which are presently Rs. 350/- per bed per day. In no case shall the parent stay in the hosteller's room.
- f) No visitors or parents are allowed to enter the hostel rooms in any case.
- g) No resident shall stay in the hostel during college hours without a valid reason which must be informed to warden. It is clarified that illness or health reason will be taken as a valid reason, Free period, visitors from outside etc. will not be taken as a valid reason.
- h) No day-scholar is permitted to enter the hostel during college hours. Suitable action and fine will be imposed upon him/her if reported by the Chief Warden/CAO.
- i) No resident shall leave the college campus without making necessary entries in the register kept with the guard at the college gate/hostel gate. After return he/she enter the time of return in the register.

6. Use & Facilities

- a) A student who has opted for hostel shall only reside in the hostel and the room allotted to him/her.
- b) Residents shall be responsible for all furniture, electrical and other fixtures in their rooms. They shall not

Department of Electronics & Communication Engineering

disfigure or paint of stick photos, posters etc on walls, doors and windows or otherwise damage them. Failing Which double Charges Shall be levied on him. Residents are expected to maintain perfect discipline and proper atmosphere.

- c) Proper use of water and electricity shall be ensured and lights shall be switched off and taps closed when not in use. Defaulters shall be punished @ Rs 100/- per day
- d) Proper permission (at least 1 day in advance) shall be taken in writing from warden for going to LG or home.
- e) Girls hostellers shall obtain a gate pass from the warden for going out of hostel/campus which shall be limited to 06 nos per month. First year girl hostellers are not allowed any outing in the first six months. However, to cater for any of their urgent legitimate requirements, a warden shall accompany/take them outside the campus once a fortnight, on Sunday for 3-4 hours.
- f) At the end of academic year or while leaving the institute, each resident shall handover the charge of his room with all furniture and fixture to hostel warden and pay the cost of all damages and shortage is detected in his her room. In case of non compliance a fine Rs. 250/- will be charged.
- g) Residents shall not use heaters or any other power appliance in their rooms.
- h) Use of alcoholic drinks or narcotic materials or gambling in any form is strictly prohibited in the hostel and institute premises. Defaulters shall be expelled from the hostel.
- i) Residents shall maintain decorum and dignity and shall not create any nuisance or disturbance for the neighbouring residents.
- j) Residents shall not organize any party, assembly or activity in the hostel without the permission of the Principal.
- k) Residents shall not invite any speaker to address a hostel meeting without the permission of the Chief Warden/CAO/Principal.
- l) Residents shall not remove newspaper, magazine, furniture, radio, TV or games-material from the common rooms or mishandle or damage them.
- m) Residents shall cooperate with the Warden and fellow hostellers and obey warden's instructions on all matters concerning hostel/mess.

7. Problem Solving Committee

The residents would form a committee of three residents who would discuss the problems related to hostel every fortnight with the Chief Warden / CAO / Principal with facts and possible suggestions so that reasonable solutions could be found to their problems.

8. Rights of College Administration

- a) On matters not covered by these rules, the discretion of Warden / Administration shall be final and binding.
- b) The college administration has full right to deny accommodation to any or all students at anytime in the overall interest of the college.
- c) The college administration reserves the right to change the rules and regulation in the overall interest of the college.

I have read & Understood the above

(Signature of Student)


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur-502022

(Signature of Parents)

Chief Warden / CAO



LIBRARY RULES

A. MEMBERSHIP

1. All the students of JECRC are members of the library.
2. Books will be issued only on presentation of the IDENTITY CARD.

B. WORKING HOURS

1. The library will remain open from 8.15 to 8.00 pm. till further notice.
2. Issue and return services will be available between 8.30 am and 5.00 pm.

C. PROCEDURE

1. Always-bring your "IDENTITY CARD" while you are in the library.
2. Keep you bags, file, books and other materials outside the library in the space provided.
3. Silence should be maintained while you are in the library. Please don't disturb the arrangement at your will.
4. Books will be issued for 14 days. The book should be returned to the library by the DUE DATE otherwise a sum of Rs. 1/- (Rupee one) per day per book will be charged as DUE OVER CHARGE.
5. Once issued the book will not be re-issued on the same day. If there is a demand from any other student, the same book will be retained and will be issued to that student.
6. Members can ask for a title not available in the library but required for academics work.
7. To recall any books before the due date.
8. REFERENCE BOOK'S DICTIONARIES, DIRECTORIES, PERIODICALS are not issuable. Members are expected to refer to the same in the library only.
9. Any damage done to the BOOK AND PERIODICAL replacement, the double cost will be charged along with a fine. Any kind of MARKING, WRITING OF NAME, FOLDING OF PAGES" will be treated as CAUSING DAMAGE".
10. The "RESERVE TEXT BOOK, REFERENCE BOOK" will be issued for reading room only on your identity card. If there is no reserve book please contact Librarian/Asstt. Librarian for help.
11. At the end of the session, every student should return the library cards before proceeding, failing which no new cards will be issued and a fine will be charged.
12. Students have to put their signature in the register available at the entrance of the library and show identity card. Without identity card, no entry will be allowed in the library.
13. Any student found not obeying the library rules and disturbing the library will be deprived of the library facility
14. Reader should observe strict silence inside the library.
15. User of mobile phone are not permitted in the library block.
16. A member who has lost borrower's token (I D Card) shall make a written report to the librarian, then original or duplicate library token will be issued on payment of Rs. 100/-.
17. Each student shall obtain No dues certificate from the library after returning all the books issued, surrendering the borrower's (I card) cards and after paying outstanding dues, if any.


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur-302022


Librarian

LIBRARIAN
Jaipur Engineering College
And Research Centre Jaipur

TRANSPORT RULES & REGULATIONS

1. Transport Fee for the entire session will be paid in advance at the beginning of the session.
2. Boarding in the bus will not be allowed without valid Identity card / Fee receipt for the current session.
3. Pickup time from every point is fixed and the bus will not wait at any pickup point.
4. Pickup point and bus route would be decide by the college administration. Every one is required to board the bus from a designated point only.
5. Bus facility is not available on Sunday/Holidays/during Vacation.
6. The college administration is not liable to provide alternative transport arrangement :-
 - (i) If a student is required to attend college during Sunday/Holiday/Vacation. Student will have to make his/her own arrangement to reach the college.
 - (ii) If a student misses the bus for any reason.
 - (iii) If the student is required to go to any other college for examination / other work
7. The college management is not responsible for theft/loss of property during travel in bus.
8. In case of breakdown of the college bus, no charges towards alternative conveyance would be paid.
9. No one would be compensated for the distance covered by him/her for boarding the bus from designated point.
10. Ragging is strictly prohibited by law. Any student who is travelling in the college bus found indulging himself/hereself directly/ indirectly in disciplinary activities like theft case/ ragging / fighting / quarrelling/ use of abusive language/ misbehave with fellow students, juniors/seniors and also with staff members, disciplinary action shall be initiated against him/her as deemed necessary or may be handed over to police for legal proceedings according to nature of offence for which entire responsibility will lie with the concerned student.
11. Every one is expected to maintain a proper discipline during the journey. Any loss or damage to college bus due to indisciplinary activities by a student during the journey will attract penalty as per rules.
12. The boarding is entirely at risk of the student availing transport faculty. The college administration does not own any type of responsibility towards compensation of any nature whatsoever.
13. Anit-Ragging Measures
 - a) all students using the bus facility shall follow the UGC/AICTE regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009, state Government/RTU/College Authorities Guidelines etc. on the subject. The bus facility user student and his/her parent will have to submit separate undertakings in the form of affidavits, before making use of the bus facility.
 - b) Any violation of the gridlines would result in expulsion from the bus facility and/or college besides the penal action as may be decided by the authorities in this regard.
14. In case of any emergency, contact transport incharge.

Date

Signature of Parent/Guardian

Signature of Student



Department of Electronics & Communication Engineering



JAI PUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Dear Students,

1. We welcome and congratulate you for seeking admission in this college. It is a fact that in this transitional phase you have left your school life and probably homely environment and would be entering into a new phase. Therefore, we would be more than willing to help you solving problems/difficulties, if any faced by you as a fresher and would extend all the necessary help.
2. To overcome the menace of ragging, college administration has already made plans for FRESHERS' induction and orientation, which promote efficient and effective means of integrating. These plans will be communicated to you by the office shortly.
3. Besides, we all would ensure that ugly scar of ragging is obliterated from the face of all educational institutions. Here, we would like to inform you that you may turn up to the following persons in case of any help/guidance in the most unlikely event of the so-called ragging.

| S.No. | Name | Designation | Mobile Number |
|-------|--------------------|---------------------|---------------|
| 1. | Dr. UK Pareek | Chief Proctor | 9785506667 |
| 2. | Ms. Ruchi Mathur | Proctor | 9828159024 |
| 3. | Mr. Anshul Mittal | Proctor | 9772620462 |
| 4. | Ms. Shruti Kalra | Proctor | 9414371413 |
| 5. | Dr. M. P. Singh | Proctor | 9414203639 |
| 6. | Dr. Anita Jain | Chief Librarian | 9829230353 |
| 7. | Ms. Raj Pareek | Warden Girls Hostel | 9982682911 |
| 8. | Mr. Ravi Bhatnagar | Transport Incharge | 9024149459 |
| 9. | Sh. PK Gupta | Chief Warden/CAO | 9982682475 |
| 10. | Sh. Ashok Sharma | Warden Boys Hostel | 9982682914 |
| 11. | Sh. Aaizaz Khan | Assistant Registrar | 9982682906 |

Prof. (Dr.) R. K. Mangal (Registrar)-9251039860

4. You are instructed that you should desist from doing anything against your will even if required by the seniors and should not have any fear, as the institution cares for you and shall not tolerate any mischief against any student.
5. You are requested not to hesitate in seeking any help and guidance and to report any incidents of harassment, teasing etc., either as victim or even as a witness.


May I add that your college has always been ragging-free.

Wishing you a bright future in the college.

Principal



Department of Electronics & Communication Engineering


PRINCIPAL
 Jaipur Engineering College &
 Research Centre
 Tonk Road, Jaipur-302002

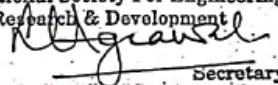
10.2. Budget Allocation, Utilization, and Public Accounting at Institute level Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the previous financial years. Session (2021-2022)

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPMENT

Balance Sheet as on 31.03.2022

| LIABILITIES | SCH | AMOUNT | ASSETS | SCH | AMOUNT |
|----------------------------------|----------|--------------------------|---------------------------------------|----------|--------------------------|
| Corpus Fund | | 5,05,00,000.00 | Fixed Assets | 5 | 74,94,90,342.91 |
| Reserve & Surplus | 1 | 1,03,34,74,607.90 | Corpus Fund with Sponsored University | | 49,42,00,000.00 |
| Secured Loans | 2 | 14,96,42,870.00 | JECRC University | | 10,40,00,000.00 |
| Unsecured Loans | 3 | 75,62,32,048.51 | Current Assets | | |
| Current Liabilities & Provisions | 4 | 11,59,47,361.02 | Deposits | 6 | 43,77,829.20 |
| | | | Loans & Advances | 7 | 73,88,04,173.87 |
| | | | Other Current Assets | 8 | 53,95,672.29 |
| | | | Cash & Bank | 9 | 95,28,869.16 |
| | | 2,10,57,96,887.43 | | | 2,10,57,96,887.43 |


For National Society for Engineering Research & Development

For National Society For Engineering
 Research & Development

S. L. AGRAWAL
 (Secretary)

Place: Jaipur
Date: 29.09.2022

As per our audit report of even date
For Vimal Agarwal & Associates
(Chartered Accountants)
FRN: 004187C




 (Vimal Agarwal)
 Partner
 M. No.: 071627
 UDIN: 22071627AWVJVY191



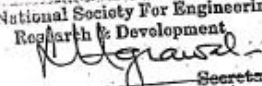
Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMENT

Profit & Loss A/c as on 31.03.2022

| Particulars | Amount | Particulars | Amount |
|-------------------------------------|------------------------|--------------------------------------|------------------------|
| To Conference Expenses | 1,10,630.27 | By Annual Fee | 27,10,56,078.00 |
| To Financial Charges | 11,41,74,610.22 | By Bus Fee | 37,37,590.00 |
| To Other Administrative Expenses | 27,94,421.00 | By Donation Received | 1,94,00,000.00 |
| To Salary Expenses | 13,03,82,203.00 | By Hostel Fee | 3,24,05,999.00 |
| To Accreditation Fees Paid | 5,16,250.00 | By Interest Received | 7,00,115.00 |
| To Affiliation Fee | 15,25,000.00 | By Miscellaneous Income | 40,52,803.74 |
| To Buses Running Expenses | 32,56,769.29 | By Profit on Sale of Vehicle | 6,86,131.00 |
| To Consultancy Fees | 5,42,000.00 | | |
| To Conveyance Expenses | 12,90,812.79 | By Excess of expenditure over income | 7,02,42,896.40 |
| To Cultural Expenses | 7,92,001.00 | | |
| To Depreciation | 2,69,47,803.56 | | |
| To Diesel for Generator Set | 1,82,206.80 | | |
| To Electricity Expenses | 37,81,119.00 | | |
| To Insurance Expenses | 14,35,158.00 | | |
| To Internet Leased Line Expenses | 8,20,528.00 | | |
| To Laboratory Expenses | 2,62,025.00 | | |
| To Library Expenses | 3,21,267.00 | | |
| To Loss on Sale of FA | 3,17,69,698.41 | | |
| To Memberships & Subscriptions Exp. | 2,14,451.55 | | |
| To Mess Expenses | 78,97,339.00 | | |
| To NAAC Visit Expenses | 70,077.00 | | |
| To Office Expenses | 5,75,858.38 | | |
| To PF Demand | 42,16,792.00 | | |
| To Placement Expenses | 11,86,360.00 | | |
| To Printing and Stationery | 7,27,664.00 | | |
| To Repair & Maintenance | 1,24,69,024.87 | | |
| To Repair & Maintenance (Vehicle) | 19,34,319.00 | | |
| To Scholarship | 4,75,03,805.00 | | |
| To Security Expenses | 28,71,557.00 | | |
| To Staff Welfare Expenses | 8,55,062.00 | | |
| To Student Expenses | 1,48,771.00 | | |
| To Student Training Expenses | 50,300.00 | | |
| To Telephone and Mobile Exp | 3,99,212.00 | | |
| To Travelling Expenses | 83,274.00 | | |
| To Website Expenses | 1,73,243.00 | | |
| | 40,22,81,613.14 | | 40,22,81,613.14 |


For National Society for Engineering Research & Development

For National Society For Engineering
Research & Development

Secretary
S. L. AGRAWAL
(Secretary)

Place: Jaipur
Date: 29, 09 2022

As per our audit report of even date
For Vimal Agarwal & Associates
(Chartered Accountants)
FRN: 004187C




(Vimal Agarwal)
Partner
M. No.: 071627

V B 1 N ; 2 2 0 7 1 6 2 7 A W V J Y V 4 1 9 1



Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMNT

Schedule-1

| Details of Reserve & Surplus as on 31.03.2022 | |
|---|-------------------|
| Particulars | Amount |
| Reserves & Surplus | 1,03,34,74,607.90 |
| | 1,03,34,74,607.90 |

Schedule - 2

| Details of Secured Loans as on 31.03.2022 | |
|---|-----------------|
| Particulars | Amount |
| Paisalo Digital Limited | 14,96,42,870.00 |
| | 14,96,42,870.00 |

Schedule-3

| Details of Unsecured Loans as on 31.03.2022 | |
|---|-----------------|
| Particulars | Amount |
| Unsecured Loans from Private Parties | 75,62,32,048.51 |
| | 75,62,32,048.51 |

Schedule - 4

| Details of Current Liabilities and Provisions as on 31.03.2022 | |
|--|----------------|
| Particulars | Amount |
| Duties & Taxes | |
| TDS (Brokerage) | 2,87,236.00 |
| TDS (Contractor) | 66,727.87 |
| TDS (Interest) | 1,54,78,226.00 |
| TDS (Professional) | 1,21,567.00 |
| TDS (Salary) | 36,66,705.00 |
| Provisions | |
| Caution Money | 5,11,52,450.00 |
| Outstanding Salary | 3,29,91,464.07 |
| ESI Payable | 20,28,544.00 |
| PF Payable | 2,55,779.00 |
| Sundry Creditors | |
| Jaipur Vidyut Vitaran Nigam Limited | 3,27,594.00 |
| Aalishan Structure & Interiors (P) Ltd. | 27,727.00 |
| Aanya Graphic Studio | 56,268.00 |
| Agarwal Enterprises | 33,872.00 |
| All India Council for Technical Education | 2,27,331.00 |
| Arya College of Engg. and Information Technology, Jaipur | 50,000.00 |
| Balaji Enterprises | 79,258.00 |
| B B Professionals | 3,58,695.00 |
| Bhura Lal Saini | 2,400.00 |
| Chitransh Advertising & Marketing | 1,96,506.00 |
| Computer World | 19,400.00 |
| Contractor Narendra Kumar Kumawat | 2,27,008.00 |
| Deepak Swami | 69,892.00 |
| Dev Enterprises | 1,617.00 |
| Dev Motors | 1,25,935.00 |
| Dinesh Kumar Ojha | 68,401.00 |
| Flora International | 4,750.00 |
| Gemini Electronet | 6,791.00 |
| Girver Singh | 5,41,511.00 |
| Glorius Deco P Ltd | 22,701.00 |

For National Society For Engineering
Research & Development

(Signature)
Secretary



Department of Electronics & Communication Engineering

| | |
|---|------------------------|
| Hanuman Bairwa | 48,900.00 |
| IGEN Edu Solutions Pvt Ltd | 19,800.00 |
| Isha Stones | 56,466.00 |
| Jaipur Telemics Services | 3,535.00 |
| Jones Lang Lasalle Property Consultants (India) P L | 13,500.00 |
| K C Tailor | 20,900.00 |
| Keyan Advisory Services | 10,000.00 |
| Kino Computer Graphics | 52,890.00 |
| Lala Ram Saini | 54,441.00 |
| Lalu Prasad Jangid | 1,89,679.00 |
| Laxmi Computer Centre | 31,213.00 |
| Lotus Dairy Products P Ltd | 2,75,037.00 |
| Mangala Ispat | 7,233.08 |
| Maya Ram Kumhar | 62,638.00 |
| Mohammed Ismail | 25,000.00 |
| N K Timber & Hardware | 89,710.00 |
| Om Fire Service | 15,399.00 |
| Pavitra Neer | 1,44,000.00 |
| Rajasthan Network Solutions | 3,25,000.00 |
| Ramprasad Meena | 15,100.00 |
| Royal Sports and Fitness | 22,972.00 |
| R S Enterprises | 88,684.00 |
| Rustic Fab Arts | 80,355.00 |
| Satyam Motors | 92,681.00 |
| S D Enterprises | 16,139.00 |
| Shree Ji Automobiles | 1,56,377.00 |
| Shreeji Glass & Aluminium | 14,042.00 |
| Shri Govind Kirana Store | 4,31,188.00 |
| Shrishti Associates | 35,448.00 |
| Shri Shyam Traders and Building Material Suppliers | 22,550.00 |
| Solsken Energy LLP | 93,762.00 |
| S R Paint | 69,752.00 |
| Suman Ray | 66,438.00 |
| Techno India NJR Institute of Technology | 54,000.00 |
| Tejmal Gurjar | 16,039.00 |
| Vijay Trading Company | 52,570.00 |
| Vikas Steel | 13,328.00 |
| Vision Star Security | 9,40,894.00 |
| Yash Enterprises | 19,354.00 |
| Fees Refundable | 37,03,991.00 |
| | 11,59,47,361.02 |

For National Society For Engineering
Research & Development
Abhishek
Secretary



Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMNT
JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE
DEPRECIATION CHART AS ON 31.03.2022

Schedule 5

| ASSETS | Gross Block | | | | As on 31.03.2022 | Rate of Dep. | Depreciation | | | Net Block | | |
|--------------|------------------------|-----------------------|---------------------|---------------------|--------------------------|--------------|------------------------|---------------------------|---------------------|------------------------------|------------------------|------------------------|
| | As on 01.04.2021 | Additions | | Deductions | | | Upto 31.03.2021 | Depreciation for the year | Written Back | Depreciation upto 31.03.2022 | As on 31.03.2022 | As on 31.03.2021 |
| | | upto 30.09.2021 | after 01.10.2021 | | | | | | | | | |
| Building | 62,76,37,841.03 | 3,35,28,272.00 | 56,59,038.00 | | 66,68,25,151.03 | 3.34% | 13,45,95,690.31 | 1,84,81,212.00 | | 15,30,76,902.31 | 51,37,48,246.72 | 49,30,42,150.72 |
| Land | 16,86,34,611.62 | | | | 16,86,34,611.62 | 0.00% | - | - | | 3,15,08,959.83 | 1,78,79,453.39 | 1,89,31,799.39 |
| Computer | 3,01,48,841.83 | 6,51,308.00 | 7,08,810.00 | | 3,15,08,959.83 | 16.21% | 3,01,48,841.83 | 13,60,118.00 | | 2,31,82,380.73 | 4,71,19,735.83 | 4,91,50,767.83 |
| Furniture | 3,99,73,845.12 | 1,14,450.00 | 9,73,539.00 | | 4,10,61,834.12 | 6.33% | 2,10,42,045.73 | 21,40,335.00 | | 3,28,61,939.53 | 21,08,293.35 | 38,33,952.35 |
| Other Assets | 7,86,75,548.36 | 51,888.00 | 10,54,239.00 | | 7,97,81,675.36 | 4.75% | 2,95,24,780.53 | 31,37,159.00 | | 1,39,68,652.22 | - | - |
| Vehicle | 2,16,22,613.57 | | | 55,45,868.00 | 1,60,76,945.57 | 9.50% | 1,77,88,661.22 | 17,11,790.00 | 55,31,799.00 | 1,52,97,862.06 | - | - |
| Buses | 1,52,97,862.06 | | | | 1,52,97,862.06 | 9.50% | 1,52,97,862.06 | - | 55,31,799.00 | 26,96,96,896.68 | 74,94,90,342.91 | 73,35,93,281.91 |
| TOTAL | 98,19,91,183.59 | 3,43,45,918.00 | 83,95,626.00 | 55,45,868.00 | 1,01,91,87,039.59 | | 24,83,97,841.68 | 2,68,30,814.00 | 55,31,799.00 | 26,96,96,896.68 | 74,94,90,342.91 | 73,35,93,281.91 |

JECRC UDML COLLEGE OF ENGINEERING
DEPRECIATION CHART AS ON 31.03.2022

| ASSETS | Gross Block | | | | As on 31.03.2022 | Rate of Dep. | Depreciation | | | Net Block | | |
|--------------------|--------------------------|-----------------------|---------------------|------------------------|--------------------------|--------------|------------------------|---------------------------|------------------------|------------------------------|------------------------|--------------------------|
| | As on 01.04.2021 | Additions | | Deductions | | | Upto 31.03.2021 | Depreciation for the year | Written Back | Depreciation upto 31.03.2022 | As on 31.03.2022 | As on 31.03.2021 |
| | | upto 30.09.2021 | after 01.10.2021 | | | | | | | | | |
| Building | 33,13,47,676.54 | - | - | 33,13,47,676.54 | - | 3.34% | 8,98,14,594.49 | 8,98,14,594.49 | - | - | 24,15,33,082.05 | |
| Land | 1,75,58,240.00 | - | - | 1,75,58,240.00 | - | 0.00% | - | - | - | - | 1,75,58,240.00 | |
| Computers | 1,19,41,376.78 | - | - | 1,19,41,376.78 | - | 16.21% | 1,19,41,376.78 | 1,19,41,376.78 | - | - | 81,55,802.39 | |
| Furniture | 2,27,31,968.47 | - | - | 2,27,31,968.47 | - | 6.33% | 1,45,76,166.08 | 1,45,76,166.08 | - | - | 1,38,94,067.25 | |
| Other Assets | 2,53,02,246.98 | - | - | 2,53,02,246.98 | - | 4.75% | 1,14,08,179.73 | 1,14,08,179.73 | - | - | 1,02,590.72 | |
| Road | 13,11,913.64 | - | - | 13,11,913.64 | - | 9.50% | 12,09,322.92 | 12,09,322.92 | - | - | 1,17,169.56 | |
| Bus | 31,75,413.00 | - | - | 31,75,413.00 | 31,75,413.00 | 9.50% | 30,58,223.44 | 1,17,169.56 | 31,75,413.00 | 31,75,413.00 | 26,13,60,971.97 | |
| TOTAL | 41,33,68,835.41 | - | - | 41,01,93,422.41 | 31,75,413.00 | | 13,20,07,863.44 | 1,17,169.56 | 12,89,49,640.00 | 31,75,413.00 | 74,94,90,342.91 | 1,01,49,54,253.88 |
| GRAND TOTAL | 1,39,53,59,999.00 | 3,43,45,918.00 | 83,95,626.00 | 41,57,39,090.41 | 1,02,23,62,452.59 | | 38,04,05,745.12 | 2,69,47,803.56 | 13,44,81,439.00 | 27,28,72,109.68 | 74,94,90,342.91 | 73,35,93,281.91 |

For National Society For Engineering
Research & Development

M. Agrawal
Secretary



Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMNT

Schedule-6

Details of Deposits as on 31.03.2022

| Particulars | Amount |
|------------------|--------------|
| Electric Deposit | 4,85,057.00 |
| Fixed Deposits | 38,92,772.20 |
| | 43,77,829.20 |

Schedule-7

Details of Loans & Advances as on 31.03.2022

| Particulars | Amount |
|--|------------------------|
| Advance Paid to Suppliers | 5,00,000.00 |
| Aaditya Engineers and Electricals | 30,00,000.00 |
| Amber Kashliwal | 3,25,000.00 |
| Aqua Auro | 1,00,000.00 |
| Big Shop | 2,23,350.00 |
| Choudhary and Company | 1,01,612.00 |
| Climatech Aircon Engineers P Ltd. | 30,000.00 |
| Criss Cross India | 11,240.00 |
| Jiut Yadav | 2,00,000.00 |
| Khandelwal Associates | 4,35,550.00 |
| Khandelwal Traders | 1,15,522.00 |
| Krishna Aircon | 5,10,000.00 |
| Mahesh Kumar Sharma | 1,00,000.00 |
| Metaworth Interiors | 3,79,151.00 |
| M G and Sons | 50,000.00 |
| Mohd Imran | 1,02,579.00 |
| Shiv Iron Store | 1,75,691.00 |
| Shree Krishna Cement and Sanitary Store | 2,00,000.00 |
| Shree Maya Enterprises | 2,32,845.00 |
| Siddhi Vinayak Enterprises | 22,758.00 |
| The Moon Creation | 50,000.00 |
| Tile Square | 1,35,000.00 |
| Vijay Laxmi | 98,000.00 |
| Xion Solutions | 4,01,830.00 |
| Imprest | 3,60,000.00 |
| Aditya Mehta | 2,21,267.00 |
| Aquila Wood Design | 5,00,000.00 |
| Baba Automobile P. Ltd. | 1,50,000.00 |
| Benefect Health Technologies LLP | 2,11,400.00 |
| Dheeraj Kaushik | 5,82,900.00 |
| Ghanshyam Meena | 1,00,000.00 |
| Indra Agrawal | 53,52,85,528.96 |
| JECRC University | 10,00,000.00 |
| Jugal Kishore Agarwal | 5,00,000.00 |
| K D Granite | 17,00,77,336.00 |
| Land Advance | 50,00,000.00 |
| Lokesh Sharma | 49,00,000.00 |
| Manish Agrawal | 5,00,000.00 |
| Naman Goyal | 6,00,000.00 |
| Nirmala Saini | 1,35,000.00 |
| O P Agrawal (Mumbai) | 10,00,000.00 |
| P D Agrawal | 5,797.91 |
| Petro Card (BPCL Smartfleet) | 5,00,000.00 |
| Priyanka Jain | 55,00,000.00 |
| Ravinder Singh Thakur | 8,17,091.00 |
| Staff Advance | 27,50,000.00 |
| Tarun Mittal | 1,10,000.00 |
| T N Enterprises | 2,05,000.00 |
| Vasudev Bhat | 10,000.00 |
| Arya Institute of Engg Tech and Mgmt | 10,000.00 |
| Geetanjali Institute of Technical Studies, Udaipur | 1,75,200.00 |
| Indiaideas (Billdesk) | 46,025.00 |
| University College of Engg & Tech, Bikaner | 51,500.00 |
| Vivekanand Institute of Technology | 51,500.00 |
| | 73,88,04,173.87 |

For National Society For Engineering
Research & Development
(Signature)
Secretary



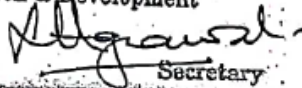
Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMNT

| <u>Schedule-8</u> | |
|---|---------------------|
| <u>Details of Other Current Assets as on 31.03.2022</u> | |
| <u>Particulars</u> | <u>Amount</u> |
| TDS Receivable (Capital First Ltd.) | 3,74,638.00 |
| TDS Receivable | 50,21,034.29 |
| | <u>53,95,672.29</u> |

| <u>Schedule 9</u> | |
|---|---------------------|
| <u>Details of Cash In Hand and at Bank as on 31.03.2022</u> | |
| <u>Particulars</u> | <u>Amount</u> |
| <u>Cash at Bank</u> | |
| Bank of India | 6,423.20 |
| HDFC Bank Limited | 30,10,707.03 |
| Punjab National Bank | 25,04,388.45 |
| ICICI Bank Limited | 22,707.48 |
| Cash in Hand | 39,84,643.00 |
| | <u>95,28,869.16</u> |

For National Society For Engineering
Research & Development


Secretary



Department of Electronics & Communication Engineering

Details of Other Administrative Expenses

| Particulars | Amount |
|---------------------------------------|---------------------|
| To Admission Expenses | 1,07,900.00 |
| To Advertisement & Marketing Expenses | 84,761.00 |
| To Examination Expenses | 12,652.00 |
| To Freight Charges | 91,850.00 |
| To Interest on TDS | 18,05,740.00 |
| To Late Fees U/s 234E | 4,53,400.00 |
| To Postal Charges | 12,725.00 |
| To Recruitment Expenses | 7,553.00 |
| To Sports Expenses | 42,100.00 |
| To UDML Caution Money Paid | 37,500.00 |
| To UD Tax | 44,116.00 |
| To Uniform Expenses | 94,124.00 |
| | 27,94,421.00 |

For National Society For Engineering
Research & Development

V. Agrawal
Secretary



Department of Electronics & Communication Engineering

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMNT

List of Unsecured Loans as on 31.03.2022

| S.No. | Particulars | Amount |
|-------|-----------------------------|-----------------|
| 1 | Aayush Lashkari | 1,89,00,000.00 |
| 2 | Anand Bansal | 20,00,000.00 |
| 3 | Anand Bansal HUF | 25,00,000.00 |
| 4 | Anshu Jain | 4,00,000.00 |
| 5 | Anurag Agarwal HUF | 10,00,000.00 |
| 6 | Arpit Agrawal | 4,56,16,426.46 |
| 7 | B K Goyal | 3,91,00,000.00 |
| 8 | Banganga Minerals | 4,36,31,831.00 |
| 9 | Charu Goyal | 61,00,000.00 |
| 10 | Deepti Jain | 12,00,000.00 |
| 11 | Dhruv Prasad Mishra | 8,00,000.00 |
| 12 | E Eye Entertainment | 73,00,000.00 |
| 13 | G H Gems | 50,00,000.00 |
| 14 | Gunjan Karamchandani | 29,00,000.00 |
| 15 | Hem Pabha Goyal | 16,00,000.00 |
| 16 | Indra Prakash Agarwal | 10,00,000.00 |
| 17 | Javitri Agarwal | 70,00,000.00 |
| 18 | Jaya Sharma | 5,00,000.00 |
| 19 | Kailash Kumar Agarwal | 20,00,000.00 |
| 20 | Kanta Agrawal | 20,00,000.00 |
| 21 | Kapil Goyal | 84,40,175.00 |
| 22 | Kaushal Aggarwal | 5,00,000.00 |
| 23 | Komal Karamchandani | 49,00,000.00 |
| 24 | Kusum Goyal | 70,00,000.00 |
| 25 | Lalit Kishore Goyal | 38,00,000.00 |
| 26 | Laxmi Devi Goswami | 16,00,040.00 |
| 27 | Mohan Enterprises | 10,00,000.00 |
| 28 | Mohan Lashkari | 1,69,50,000.00 |
| 29 | Mohansons Buildcon | 43,02,000.00 |
| 30 | Mukesh Kumar Usha Gupta HUF | 10,00,000.00 |
| 31 | Naresh Bansal HUF | 3,50,000.00 |
| 32 | Neeta Nekiwala | 1,75,00,000.00 |
| 33 | Neha Goyal | 65,00,000.00 |
| 34 | Nidhi Goyal | 5,00,000.00 |
| 35 | Nirmal Kumar Agrawal | 18,69,00,000.00 |
| 36 | Nirmal Kumar Bardiya | 1,00,00,000.00 |
| 37 | Notan Das | 11,00,000.00 |
| 38 | Notan Das HUF | 12,00,000.00 |
| 39 | O P Agrawal | 5,66,02,551.05 |
| 40 | Panchsheel Colonizers P Ltd | 75,00,000.00 |
| 41 | Pankaj Banthia | 10,00,000.00 |
| 42 | Piyush Lashkari | 1,96,75,000.00 |
| 43 | Pooja Bansal | 4,00,000.00 |
| 44 | Pratibha Goyal | 25,00,000.00 |
| 45 | Prerana Goyal | 4,00,000.00 |
| 46 | Pushpa Devi | 1,55,00,000.00 |
| 47 | Radha Poddar | 48,48,400.00 |
| 48 | Rajan Jain | 30,00,000.00 |
| 49 | Rajesh Goyal | 1,61,00,000.00 |
| 50 | Rajesh Kumar | 10,00,000.00 |
| 51 | Ram Rattan | 6,00,000.00 |
| 52 | S B Jhanwar | 10,00,000.00 |
| 53 | S R Enterprises | 7,65,625.00 |
| 54 | Sakshi Bansal | 2,50,000.00 |
| 55 | Sanjay Banthia | 10,00,000.00 |

For National Society For Engineering
Research & Development

Signature
Secretary



Department of Electronics & Communication Engineering

| | | |
|----|----------------------|-----------------|
| 56 | Sanjay Gupta | 26,00,000.00 |
| 57 | Sanjay Gupta HUF | 1,00,00,000.00 |
| 58 | Sanjay Kumar Gupta | 20,00,000.00 |
| 59 | Shiv Bhagwan Jhanwar | 40,00,000.00 |
| 60 | Shruti | 5,00,000.00 |
| 61 | Shweta Bansal | 35,00,000.00 |
| 62 | Suman Goyal | 65,00,000.00 |
| 63 | Sumer Chand Jain | 10,00,000.00 |
| 64 | Sunita Lashkari | 10,54,00,000.00 |
| 65 | Suresh Kumar | 90,00,000.00 |
| 66 | Tanu Gupta | 1,00,00,000.00 |
| 67 | Vimala Bansal | 30,00,000.00 |
| 68 | Yogesh Joshi | 25,00,000.00 |

75,62,32,048.51

For National Society For Engineering
Research & Development

Vimal Agrawal
Secretary



Department of Electronics & Communication Engineering



The Proposed Budget & Expenditure of (2021-22)

| S.N. | Year | Department/Infrastructure | Proposed Budget (in Rupees) | Expenditure (in Rupees) |
|------|---------|---------------------------|-----------------------------|-------------------------|
| 1 | 2021-22 | CSE | 9,20,000/- | NIL |
| 2 | 2021-22 | IT | 16,51,000/- | NIL |
| 3 | 2021-22 | AI & DS | 11,50,000/- | NIL |
| 4 | 2021-22 | ECE | 23,95,200/- | NIL |
| 5 | 2021-22 | ME | 12,45,599/- | NIL |
| 6 | 2021-22 | CE | 15,50,000/- | NIL |
| 7 | 2021-22 | EE | 11,30,000/- | 1,000/- |
| 8 | 2021-22 | 1 ST YEAR | 4,64,000/- | NIL |
| 9 | 2021-22 | CC TV SYSTEM | 70,000/- | NIL |
| 10 | 2021-22 | SECURITY | 25,00,000/- | NIL |
| 11 | 2021-22 | HOSTELS | 1,51,10,000/- | NIL |
| 12 | 2021-22 | Library | 10,00,000/- | NIL |
| 13 | 2021-22 | Spiritual Research Cell | 60,000/- | 12,497/- |
| 14 | 2021-22 | Placement Cell | 2,44,000/- | NIL |
| 15 | 2021-22 | JIC | 15,00,000/- | NIL |
| 16 | 2021-22 | Training budget | 15,88,000/- | 9,56,925/- |
| 17 | 2021-22 | Alumni | 2,00,000/- | NIL |
| 18 | 2021-22 | SDO | 9,00,000/- | NIL |
| 19 | 2021-22 | ZARURAT | 3,10,000/- | NIL |

PRINCIPAL
 Jalpur Engineering College &
 Research Centre
 Tank Road, Jalpur-302022



Department of Electronics & Communication Engineering


JALPURI ENGINEERING COLLEGE
JALPURI ENGINEERING COLLEGE

| | | | | |
|----|---------|-------------------|---------------|-------------|
| 20 | 2021-22 | SOCI | 65,000/- | NIL |
| 21 | 2021-22 | SUHASINI | 77,000/- | NIL |
| 22 | 2021-22 | IT Infrastructure | 1,58,00,000/- | 13,14,644 |
| 23 | 2021-22 | Sports | 1,00,000/- | 40,000/- |
| | | TOTAL | 6,58,29,799/- | 36,39,710/- |


PRINCIPAL
Jalpur Engineering College &
Research Centre
Tark Road, Jalpur-502022

10.3. Program Specific Budget Allocation, Utilization (All departments)

Department of Electronics & Communication Engineering




JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

The Proposed Budget and Expenditure Budget of Department of Computer Science & Engineering is as follows (Five Year).


| Department of Computer Science & Engineering | | | |
|--|---------|--------------------------|----------------------|
| S.NO. | YEAR | PROPOSED BUDGET(in Rs/-) | EXPENDITURE(in RS/-) |
| 1 | 2021-22 | 9,20,000/- | 168857.00 |
| 2 | 2020-21 | 8,05,000/- | 2,34,044/- |
| 3 | 2019-20 | 8,45,000/- | 1,39,197/- |
| 4 | 2018-19 | 7,550,000/- | 3,451,729/- |
| 5 | 2017-18 | 3,469,800/- | 3,873,502/- |
| 6 | 2016-17 | 2,148,200/- | 2,201,923/- |



PRINCIPAL
Jaipur Engineering College &
Research Centre
Jaipur


HOD CSE
Head of the Department
Computer Science & Engineering
JECRC, Jaipur

Department of Electronics & Communication Engineering

| | | |
|--|---|--------------------------|
|  JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur-302 022. | Academic year 2021-22 |
|--|---|--------------------------|

| Jaipur Engineering College and Research Centre, Jaipur Department of Computer Science and Engineering | | | | | | |
|--|---------------------------|---|--|------------------------------------|----------------------------------|----------------------------------|
| Subject: Budget for session 2021-22 Expenses of the session July 2021-June2022 of Department of Computer Science and Engineering is as follows: | | | | | | |
| S. No | Category | Items | Budget Sanctioned(in Rs) | Total Expenditure (in Rs) | Expenditure by Institute (in Rs) | Expenditure other than Institute |
| 1 | Consumable | Labs + Maintenance | 75,000/- | 28869 | 28869 | - |
| 2 | Non-Consumable | Additional Facilities Up gradation | 75,000/- | 44815 | 44815 | - |
| 4 | Curricular activity (R&D) | 1. International Conference 2. National Conference 3. FDP / Workshop 4. Industry visit / Guest lecture | 5,00,000 50,000 50,000 50,000 = 6,50,000/- | Nil 30050 2700 645 Nil | ---- ---- 3345 | ---- 30050 |
| 5 | Co-Curricular Activity | Technical events + Co-curricular events | 1,20,000/- | 61778 | | 61778 |
| | | Total (Rs.) | 09,20,000/- | 168857.00 | 77029.00 | 91828.00 |

Submitted for your kind Approval


PRINCIPAL
 Jaipur Engineering College & Research Centre


HOD CSE
 Head of the Department
 Computer Science & Engineering
 JECRC, Jaipur

Department of Electronics & Communication Engineering

Jaipur Engineering College and Research Centre, Jaipur
Department of Computer Science & Engineering

Subject: Budget for session 2021-22

The budget for the session July 2021-June 2022 of Department of Computer Science & Engineering is as follows:


| S. No. | Category | Activity / Items | Budget Proposed (in Rs) |
|--------|------------------------------|---|--|
| 1 | Consumable | Labs + Maintenance | 75,000/- |
| 2 | Non-Consumable | Additional Facilities / Up gradation | 75,000/- |
| 3 | Curricular activity (R&D) | 1. International Conference 2. National Conference 3. FDP / Workshop 4. Industry visit / Guest lecture | 5,00,000 50,000 50,000 50,000 |
| 4 | Co-Curricular Activity | Technical +Co-curricular events | 1,20,000/- |
| | | Total | 9,20,000/- |

Submitted for kind Approval


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tara Road, Jaipur-302022


Head of Department
HOD CSE
Computer Science & Engineering
JECRC, Jaipur

Department of Electronics & Communication Engineering



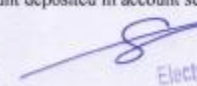
Department of Electronics and Communication Engineering

Expenditure for the Session 2021-2022

Subject: Expenditure for the Session 2021-2022


| S. N. | Category | Activity /Item | Proposed Budget (Rs) | Total Expenditure (Rs) (A) | Expenditure by the Institute (Rs) (B) | Expenditure other than Institute (Rs) (C) |
|-------|------------------------------------|------------------------------|----------------------|--|---------------------------------------|---|
| 1 | Curricular/ Co-curricular Activity | 1. Robo War | 19,00,000 | 93000/- | Nil | 93000/- Supported by AICTE (ATAL) |
| | | 2. Robo Soccer | | FDP On "Online AICTE Training and Learning (ATAL)Academy Program"2022 | Nil | 91,225/- Registration Fees |
| | | 3. Line Follower | | 1240/- | Nil | 91,225/- Registration Fees |
| | | 4. Sumo War | | 2 nd International Conference on advance Material Science ,Communication and Microelectronics ICAMCM -2022) | Nil | 1,59,300/- Registration Fees |
| | | 5. Formula Zero | | 33298/- Curricular Activity | Nil | 1,59,300/- Registration Fees |
| | | 6. Drone Racing Championship | | | | |
| | | 7. Technophilia | | | | |
| | | 8. Phoenix | | | | |
| | | 9. Renovators | | | | |
| | | 10. Quiz (Quizholic) | | | | |
| | | 11. Techno InBuzz | | | | |
| | | 12. Tech. Jambolla | | | | |
| | | 13. Expert Talks | | | | |
| | | 14. Seminars | | | | |
| | | 15. Workshops | | | | |
| | | 16. Training Programs | | | | |
| | | 17. International Conference | | | | |
| | | 18. National Conference | | | | |
| | | 19. Industrial Visits | | | | |
| 2. | Consumable | Component | 25,000 | 5263/- | 5263/- | Nil |
| 3. | Non Consumables | Lab equipment | 4,70,200 | 1,68,950/- | 1,68,950/- | Nil |
| | Total | | 23,95,200 | 3,01,751 | 1,74,213 | 3,43,525 |

*Amount deposited in account section: (B+C)-A = 2,15,987/-



Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Program Coordinator
Electronics and Communication Engineering



2017/18

Department of Electronics & Communication Engineering

Jaipur Engineering College and Research Centre, Jaipur Department of Electrical Engineering

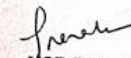
Subject: Budget for session 2021-22

Proposal Budget for the session July 2021 - June 2022 of Electrical Engineering Department is as follows:

| S. No. | Category | Items | Budget Proposed (in Rs) | Total Expenditure (in Rs) | Expenditure by Institute (in Rs) | Expenditure other than Institute |
|--------|---|--|-------------------------|---------------------------|----------------------------------|----------------------------------|
| 1 | Consumable | Raw Material For Labs | 40000 | 7016 | 7016 | NIL |
| 2 | Hardware and Software | Lab Requirements | 200000 | NIL | NIL | NIL |
| 3 | Workshop & Conferences | Industrial Automation & Siemens Supported Lab | 35000 | 11150 | 1550 | 9600 |
| 4 | Curricular and Co-Curricular Activities | <ul style="list-style-type: none">FDP /WorkshopGuest lecture/Industry visit | 20000 | 4650 | 4650 | NIL |

Submitted for your kind Approval.


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tank Road, Jaipur-302012


HOD EE
Head of the Department
Electrical Engineering
JECRC Jaipur

Department of Electronics & Communication Engineering

Department of Mechanical Engineering Subject: Budget & Expenditure for session 2021-22

| Sr. No | Category | Items | Budget Sanctioned(in Rs) | Total Expenditure (in Rs) | Expenditure by Institute (in Rs) | Expenditure other than Institute |
|--------|---------------------------------------|--|--------------------------|---------------------------|----------------------------------|----------------------------------|
| 1 | Consumable | Consumable Raw Material For Workshop & Labs | 147349/ | 48166/ | 48166/ | NIL |
| 2. | Hardware &Software | Machines and Equipments 1. Creep testing machine 2. Thermocouple for chip measurement 3 Cantilever beam with electric dynamometer | 500000/- | NIL | NIL | NIL |
| 3 | R&D & Additional Facilities | 1. International conference/ 2. National conference 3. FDP /Workshop/ 4. Guest lecture/Industry visit | 500000/- | 73600 | NIL | NIL |
| 4 | Curricular & Co Curricular Activities | Technical Events (MECHTECH Activities) | 100000/ | 84000 | NIL | NIL |
| | | TOTAL | 1245599/- | 205766 | | |


 HOD
 Head of the Department
 Mechanical Engineering
 JECRC, Jaipur


 PRINCIPAL
 Jaipur Engineering College &
 Research Centre
 Tonk Road, Jaipur-302022



Department of Electronics & Communication Engineering

Grants received from Government and non-governmental agencies for research projects / endowments in the institution

(Session 2020-2021)

| Grants received from Government and non-governmental agencies for research projects / endowments in the institution during 2021-22 | | | | | | | | |
|---|--|--|---|----------------------|----------------------------------|--------------------------------|-----------------------------------|---|
| Percentage of Departments having Research projects funded by government and non-government agencies during 2021-22 | | | | | | | | |
| S.No | Name of the Project/ Endowments, Chairs | Name of the Principal Investigator /Co-investigator | Department of Principal Investigator | Year of Award | Amount Sanctioned (Lakhs) | Duration of the project | Name of the Funding Agency | Type (Government/non-Government) |
| 1 | Up-skilling Science and Logic learning for the youth of Jaipur rural area An Endeavour to Enhance learning through Scientific Convention(TPN / 63324) | Dr. Shruti Kalra / Dr. M.P.Singh | ECE & ME | 2021 - 2022 | 25.69 | 1 Year | DST | Government |
| 2 | ATAL sponsored 5-Days FDP on "Advanced Sensor Technology for Efficient Biomedical and Energy Management in Smart Cities" | Dr.Parul Tyagi/Dr.Vinita Mathur | ECE | 2021 - 2022 | 0.93 | 5 Days | AICTE-ATAL | Government |

Department of Electronics & Communication Engineering

Consultancy

| S.No | Faculty/Technician Name | Agency/ Company | Amount |
|------|-------------------------|----------------------|---------|
| 1 | Dr. M.P.SINGH | BABA AUTOMOBILE Ltd. | 65000/- |

10.4. Library and Internet Session (2021-2022)

NATIONAL SOCIETY FOR ENGINEERING RESEARCH AND DEVELOPEMENT

Profit & Loss A/c as on 31.03.2022

| Particulars | Amount | Particulars | Amount |
|-------------------------------------|------------------------|--------------------------------------|------------------------|
| To Conference Expenses | 1,10,630.27 | By Annual Fee | 27,10,56,078.00 |
| To Financial Charges | 11,41,74,610.22 | By Bus Fee | 37,37,590.00 |
| To Other Administrative Expenses | 27,94,421.00 | By Donation Received | 1,94,00,000.00 |
| To Salary Expenses | 13,03,82,203.00 | By Hostel Fee | 3,24,05,999.00 |
| To Accreditation Fees Paid | 5,16,250.00 | By Interest Received | 7,00,115.00 |
| To Affiliation Fee | 15,25,000.00 | By Miscellaneous Income | 40,52,803.74 |
| To Buses Running Expenses | 32,56,769.29 | By Profit on Sale of Vehicle | 6,86,131.00 |
| To Consultancy Fees | 5,42,000.00 | By Excess of expenditure over income | 7,02,42,896.40 |
| To Conveyance Expenses | 12,90,812.79 | | |
| To Cultural Expenses | 7,92,001.00 | | |
| To Depreciation | 2,69,47,803.56 | | |
| To Diesel for Generator Set | 1,82,206.80 | | |
| To Electricity Expenses | 37,81,119.00 | | |
| To Insurance Expenses | 14,35,158.00 | | |
| To Internet Leased Line Expenses | 8,20,528.00 | | |
| To Laboratory Expenses | 2,62,025.00 | | |
| To Library Expenses | 3,21,267.00 | | |
| To Loss on Sale of FA | 3,17,69,698.41 | | |
| To Memberships & Subscriptions Exp. | 2,14,451.55 | | |
| To Mess Expenses | 78,97,339.00 | | |
| To NAAC Visit Expenses | 70,077.00 | | |
| To Office Expenses | 5,75,858.38 | | |
| To PF Demand | 42,16,792.00 | | |
| To Placement Expenses | 11,86,360.00 | | |
| To Printing and Stationery | 7,27,664.00 | | |
| To Repair & Maintenance | 1,24,69,024.87 | | |
| To Repair & Maintenance (Vehicle) | 19,34,319.00 | | |
| To Scholarship | 4,75,03,805.00 | | |
| To Security Expenses | 28,71,557.00 | | |
| To Staff Welfare Expenses | 8,55,062.00 | | |
| To Student Expenses | 1,48,771.00 | | |
| To Student Training Expenses | 50,300.00 | | |
| To Telephone and Mobile Exp | 3,99,212.00 | | |
| To Travelling Expenses | 83,274.00 | | |
| To Website Expenses | 1,73,243.00 | | |
| | 40,22,81,613.14 | | 40,22,81,613.14 |

For National Society for Engineering Research & Development

For National Society For Engineering
Research & Development
(Signature)
Secretary
S: L: AGRAWAL
(Secretary)

Place: Jaipur
Date: 29, 09, 2022

As per our audit report of even date
For Vimal Agarwal & Associates
(Chartered Accountants)
FRN: 004187C



(Signature)
(Vimal Agarwal)
Partner
M. No.: 071627

UD IN: 22071627AWVJYV 4191



Department of Electronics & Communication Engineering

All India Council for Technical Education
(An Autonomous Organization, Under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: <https://www.aicte-india.org>



APPROVAL PROCESS 2021-22

Application Deficiency Report

DEFICIENCY REPORT AS PER APPLIED INTAKE (Applicable for Existing Institutions only)

| | | | |
|-------------------------|--|------------------------------------|--|
| Regional Office | North-West | Overall Deficiency of Institution: | No |
| Application ID | 1-9319113026 | Permanent ID | 1-4215787 |
| Name of the Institution | Jaipur Engineering College And Research Centre | Address | Sri Ram Ki Nangal, Via-Vatika, Opp. Epip Gate, Tonk Road, Jaipur |
| City/Village | Jaipur | District | Jaipur |
| State | Rajasthan | PIN | 302022 |

Director/Principal Details

| Designation | Name | Appointment Type | Qualification | PhD | Eligible as per AICTE Norms (YES/NO) |
|--------------------|-------------------------|------------------|------------------|-----|--------------------------------------|
| Director/Principal | Dr. Vinay Kumar Chandna | Regular | B. E., M. TECH., | Yes | Yes |

Other Details

| Sr. No. | Particulars | Status Provided by the Institution | Deficiency |
|---------|---|------------------------------------|------------|
| 1. | List of Faculty Member and Data Uploaded on the Institution Web Portal | Yes | No |
| 2. | Are all Approved Teaching Faculty Member being Paid as per Present Pay VI/Scale/Commission? | Yes | No |
| 3. | Whether Institution is Operating from Permanent Site? | Yes | No |
| 4. | Fees to be Charged, Reservation Policy, Admission Policy and Document Retention Policy are Uploaded in Institution's Website? | Yes | No |
| 5. | Courses/Approved Intake Displayed at the Entrance of the Institution? | Yes | No |

Anti-Ragging Related Deficiency Status

| Sr. No. | Particulars | Status Provided by the Institution | Deficiency |
|---------|---|------------------------------------|------------|
| 1. | Constitution of Anti-Ragging Committee | Yes | No |
| 2. | Constitution of Anti-Ragging Squad | Yes | No |
| 3. | Undertaking Obtained from all Students | Yes | No |
| 4. | Appointment of Counselors | Yes | No |
| 5. | Undertaking Obtained from Parents of all the Students | Yes | No |
| 6. | Undertaking Obtained from Students Staying in Hostel | Yes | No |
| 7. | Undertaking Obtained from Parents of Students Staying in Hostel | Yes | No |

Institution Level Faculty Member


| Sr. No. | Particulars | Actual No. | Required No. as per CI | Deficiency |
|---------|-------------------------------|------------|------------------------|------------|
| 1. | Total Faculty (UG+PG+Diploma) | 217 | 214 | No |

Administrative Area

| Sr. No. | Particulars | Actual Room Area (Sq.m.) | Expected Room Area (Sq.m.) | Deficiency |
|---------|-------------|--------------------------|----------------------------|------------|
| 1. | Board Room | 30 | 20 | No |

Date of Signature(dd/mm/yyyy)

Seal of Institution


Name & Signature of Director/Principal

PRINCIPAL
Jaipur Engineering College & Research Centre
Tonk Road, Jaipur-302022

Printed By : ae927181

Page 1 of 4




Department of Electronics & Communication Engineering

| | | |
|--|---|--------------------------------|
|  JECRC JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE | Jaipur Engineering College and Research Centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur- 302 022. | Academic year-2021-2022 |
|--|---|--------------------------------|

| Jaipur Engineering College and Research Centre, Jaipur | | | | | | |
|---|------------------------------|-----------------|---------------------------|---------------------------|----------------------------------|----------------------------------|
| Subject: Budget for session | | | | | | |
| S. No | Category | Items | Budget Sanctioned (in Rs) | Total Expenditure (in Rs) | Expenditure by Institute (in Rs) | Expenditure other than Institute |
| 1 | Books | 146 | 5,00,000 | 46,552 | 46,552 | |
| 2 | Journals/e-resources | 46 | 2,00,000 | 1,30,336 | 1,30,336 | |
| 3 | Data Base | EBSCO Delnet | 1,50,000 | 92,670 | 92,670 | |
| 4 | News Paper & Periodical | 16 | 1,00,000 | 34,214 | 34,214 | |
| 5 | Computer (05) for Multimedia | Softlink | 45,000 | 17,700 | 17,700 | |
| 6 | Furniture Racks | -- | -- | -- | -- | |
| 7 | Others | | 5,000 | 2876 | 2876 | |

Submitted for your kind Approval


 HOD, Library

LIBRARIAN
 Jaipur Engineering College
 And Research Centre
 Jaipur



Department of Electronics & Communication Engineering




Jaipur Engineering College and Research Centre Department of Library

Subject: Budget & Expenditure (1st April to 31 March)
The proposal Budget and Expenditure Library Department

| S.No. | Year | Proposed Budget (In Rs.) | Expenditure (In Rs.) |
|-------|-----------|-----------------------------|-------------------------|
| 1 | 2021-2022 | 10,00,000 | --- |
| 2 | 2020-2021 | 10,00,000 | 2,54,354 |
| 3 | 2019-2020 | 10,00,000 | 5,93,690 |
| 4 | 2018-2019 | 10,00,000 | 2,30,679 |
| 5 | 2017-2018 | 7,00,000 | 3,50,184 |
| 6 | 2016-2017 | 7,00,000 | 1,97,476 |
| 7 | 2015-2016 | 7,00,000 | 3,40,557 |

Submitted for your kind Approval


PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur-302022


HOD, Librarian 2-11/12
LIBRARIAN
Jaipur Engineering College
And Research Centre, Jaipur

Department of Electronics & Communication Engineering



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

JECRC Central Library E-Books Details (Branch Wise)

| S.No. | Title | No. Of e-books |
|-------|---|----------------|
| 1 | Civil Engineering | 635 |
| 2 | Computer Science Engineering | 2838 |
| 3 | Electrical Engineering | 551 |
| 4 | Electronics & Communication Engineering | 1419 |
| 5 | Information Technology | 1710 |
| 6 | Mechanical Engineering | 469 |
| 7 | Physics | 500 |
| | Total | 8122 |


LIBRARIAN
Jaipur Engineering College
And Research Centre
Jaipur

Department of Electronics & Communication Engineering



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

**JECRC,
(2021-2022)**

Books and Journals Available in Library

| Branch/Disc | No. of Title | No. of Volume | No. of Tech. Journals National | No. of Tech. Journals International |
|-----------------------------------|--------------|---------------|--------------------------------|-------------------------------------|
| Electronics & Communication | 935 | 3915 | 04 | 02 |
| Electrical Engineering | 635 | 2694 | 02 | 01 |
| Computer Engineering | 1063 | 4562 | 03 | 04 |
| Information Tech. | 710 | 2199 | 05 | 01 |
| Civil Engineering | 352 | 1822 | 03 | 02 |
| Mechanical Engineering | 1090 | 4596 | 08 | 01 |
| Physics | 284 | 1513 | 01 | -- |
| Chemistry | 178 | 1511 | 03 | -- |
| Mathematics | 342 | 1534 | -- | - |
| Other (English, Hindi Dictionary) | 604 | 1233 | 06 | - |
| Book Bank ST/SC Gen | - | 7043 | - | - |
| Total | 6193 | 32622 | 35 | 11 |

Department of Electronics & Communication Engineering

JECRC CENTRAL LIBRARY LIST OF JOURNALS (2021-2022)

| S.No | Journals | Periodicity |
|------|--|---------------------|
| 1 | Inter. Jour. Of Comp. Science & Engg. Tech. | Half Yearly |
| 2 | Int. Jour. Of Adv. In Software Engg. | Half Yearly |
| 3 | Int. Jour. Of Electronics Electrical & Communication Engg. | Half Yearly |
| 4 | Int. Jour. Of Mech. Auto Mobile Engg. & Research | Half Yearly |
| 5 | Int. Jour. Of Adv. VLSI Design. | Half Yearly |
| 6 | Int. Jour. Of Data Analysis of Information System | Half Yearly |
| 7 | IUP Information Technology | Quarterly |
| 8 | IUP Mechanical Engineering | Quarterly |
| 9 | IUP Structural Engineering | Quarterly |
| 10 | IUP Telecommunication | Quarterly |
| 11 | Journal of Adv. Research in Civil and Environment Engg. | Half Yearly+Online |
| 12 | Jour. Of Adv. Research in Cloud Computing, Virtualization # andWeb Application | Half Yearly+Online |
| 13 | Jour. Of Adv. Research in Mech. Engg. & Technology | Half Yearly+Online |
| 14 | Jour.f of Adv. Research in Networking & Communication Engg. | Half Yearly+Online |
| 15 | Jour.of Adv. Research in Signal Processing & Application | Half Yearly+Online |
| 16 | Journal of Advances Research in Embedded System | Half Yearly+Online |
| 17 | Int.Jour. Of Advanced Research in Civil and Structural Engg. | Half Yearly+Online |
| 18 | Int. Journal of Human Computer Interaction and Data Mining | Half Yearly+Online |
| 19 | Int. Jour. Of Engineering Design & Analysis | Half Yearly+Online |
| 20 | Indian Jour. Of Engg & Material Science | Bio-Monthly |
| 21 | Indian Jour. Of Chemical Technology | Bio-Monthly |
| 22 | Indian Jour. Of Bio Chemistry & Bio Physics | Bio-Monthly |
| 23 | Indian Jour. Of Scientific and Industrial Research | Monthly |
| 24 | Indian Jour. Of Chemistry Sec.- A | Monthly |
| 25 | Indian Jour. Of Pure & Applied Physics | Monthly |
| 26 | Annual of Library & Information Studies | Quarterly |
| 27 | Int. Jour. Of Computer Science & Information Tech. Research | Half Yearly |
| 28 | Indian Jour. Of Control Science & Engineering | Half Yearly |
| 29 | Indian Jour. Of Civil Mechanical Engineering | Half Yearly |
| 30 | Indian Jour. Of Engineering & Manufacturing Science | Half Yearly |
| 31 | Journal of Advances in Civil Engineering and Management | 3 Issues (Print +O) |
| 32 | Journal of Reseach and Advancement in Electrical Engineering | 3 Issues (Print +O) |
| 33 | Reseach and Applications: Embedded System | 3 Issues (Print +O) |
| 34 | Recent Trends in Automation and Automobile Engineering | 3 Issues (Print +O) |
| 35 | Research and Reviews: Advancement in Robotics | 3 Issues (Print +O) |
| 36 | Journal of Network Security Computer Network | 3 Issues (Print +O) |
| 37 | Journal of Image Processing and Artificial Intelligence | 3 Issues (Print +O) |
| 38 | Journal of Web Development and Web Designing | 3 Issues (Print +O) |
| 39 | Journal of Mechanical Robotics | 3 Issues (Print +O) |
| 40 | Journal of Communication Engineering and its Innovations | 3 Issues (Print +O) |
| 41 | Journal of Mechanics and MEMS (JMM) | Half- Yearly |
| 42 | International Journal of Wastewater Treatment and Green Chemistry | Half- Yearly |
| 43 | Int. Journal of Civil Engineering and Construction Technology | Half Yearly |
| 44 | Granthalaya Vigyan | Yearly |
| 45 | Yojana (English Version) | Weekly |
| 46 | Economics and Political Weekly | Weekly |

Amita

LIBRARY
Jaipur Engineering College
And Research Centre
Jaipur



Department of Electronics & Communication Engineering

JECRC CENTRAL LIBRARY LIST OF JOURNALS (2020-2021)

| S.No | Journals | Periodicity |
|------|--|---------------------|
| 1 | Int. Jour. Of Adv. In Software Engg. | Half Yearly |
| 2 | Int. Jour. Of Electronics Electrical & Communication Engg. | Half Yearly |
| 3 | Int. Jour. Of Mech. Auto Mobile Engg. & Research | Half Yearly |
| 4 | Int. Jour. Of Data Analysis of Information System | Half Yearly |
| 5 | Journal of Adv. Research in Civil and Environment Engg. | Half Yearly+Online |
| 6 | Jour. Of Adv. Research in Cloud Computing, Virtualization # andWeb Application | Half Yearly+Online |
| 7 | Jour. Of Adv. Research in Mech. Engg. & Technology | Half Yearly+Online |
| 8 | Jour.f of Adv. Research in Networking & Communication Engg. | Half Yearly+Online |
| 9 | Jour.of Adv. Research in Signal Processing & Application | Half Yearly+Online |
| 10 | Int.Jour. Of Advanced Research In Civil and Structural Engg. | Half Yearly+Online |
| 11 | Int. Journal of Human Computer Interaction and Data Mining | Half Yearly+Online |
| 12 | Indian Jour. Of Engg & Material Science | Bio-Monthly |
| 13 | Indian Jour. Of Chemical Technology | Bio-Monthly |
| 14 | Indian Jour. Of Bio Chemistry & Bio Physics | Bio-Monthly |
| 15 | Indian Jour. Of Scientific and Industrial Research | Monthly |
| 16 | Indian Jour. Of Chemistry Sec.- A | Monthly |
| 17 | Indian Jour. Of Pure & Applied Physics | Monthly |
| 18 | Annual of Library & Information Studies | Quarterly |
| 19 | Science Reporter | Monthly |
| 20 | Indian Jour. Of Control Science & Engineering | Half Yearly |
| 21 | Indian Jour. Of Civil Mechanical Engineering | Half Yearly |
| 22 | Journal of Advances In Civil Engineering and Management | 3 Issues |
| 23 | Journal of Reseach and Advancement in Electrical Engineering | 3 Issues |
| 24 | Reseach and Applications: Embedded System | 3 Issues |
| 25 | Recent Trends in Automation and Automobile Engineering | 3 Issues |
| 26 | IEEMA Journals | Monthly |
| 27 | Granthalaya Vigyan | Yearly |
| 28 | Yojana (English Version) | Weekly |
| 29 | Journal of Network Security Computer Network | 3 Issues (Print +O) |
| 30 | Journal of Image Processing and Artificial Intelligence | 3 Issues (Print +O) |
| 31 | Journal of Web Development and Web Designing | 3 Issues (Print +O) |
| 32 | Journal of Mechanical Robotics | 3 Issues (Print +O) |
| 33 | Journal of Communication Engineering and its Innovations | 3 Issues (Print +O) |
| 34 | University News | Weekly |
| 35 | Economics and Political Weekly | Weekly |
| 36 | Int. Journal of Civil Engineering and Construction Technology | Half Yearly |
| 37 | Resonance Journals of Science Education | Monthly |

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Department of Electronics & Communication Engineering

10.4.1. Quality of learning resources

Relevance of available learning resources including e-resources

Accessibility to students

Support to students for self-learning activities



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

JECRC LIBRARY

Library Academic Year July-2021 to 30 June 2022

Student and Faculty Books Return

| S.No. | Month | Books Return Student/Faculty | Total |
|-------|-----------|------------------------------|-------|
| 1 | July | 21 | 21 |
| 2 | August | 27 | 27 |
| 3 | September | 283 | 283 |
| 4 | October | 1796 | 1796 |
| 5 | November | 947 | 947 |
| 6 | December | 846 | 846 |
| 7 | January | 877 | 877 |
| 8 | February | 935 | 935 |
| 9 | March | 1783 | 1783 |
| 10 | April | 1274 | 1274 |
| 11 | May | 1318 | 1318 |
| 12 | June | 1091 | 1091 |

Total Users Student and Faculty = 11198


Librarian

LIBRARIAN
Jaipur Engineering College
And Research Centre
Jaipur



Department of Electronics & Communication Engineering



JECRC LIBRARY Library Academic Year July 2021 to June 2022 Book Issuing and Visiting Users Report

| S.No. | Month | Book Issuing | | | Library Users | | |
|-------|--------------|--------------|------------|--------------|---------------|-------------|--------------|
| | | Student | Faculty | Total | Student | Faculty | Total |
| 1 | July | 7 | 18 | 25 | 44 | 152 | 196 |
| 2 | August | 9 | 9 | 18 | 291 | 172 | 463 |
| 3 | September | 504 | 65 | 569 | 1575 | 325 | 1900 |
| 4 | October | 1888 | 22 | 1910 | 2625 | 218 | 2843 |
| 5 | November | 764 | 16 | 780 | 1565 | 229 | 1794 |
| 6 | December | 920 | 18 | 938 | 1463 | 209 | 1672 |
| 7 | January | 774 | 16 | 790 | 1554 | 106 | 1660 |
| 8 | February | 1398 | 44 | 1442 | 1992 | 167 | 2159 |
| 9 | March | 1339 | 41 | 1380 | 2643 | 188 | 2831 |
| 10 | April | 1539 | 35 | 1574 | 2389 | 222 | 2611 |
| 11 | May | 990 | 9 | 999 | 1601 | 120 | 1721 |
| 12 | June | 986 | 9 | 995 | 1705 | 133 | 1838 |
| | Total | 11118 | 302 | 11420 | 19447 | 2241 | 21688 |

Total Users Student and Faculty = 33108


Librarian

LIBRARIAN
Jaipur Engineering College
And Research Centre
Jaipur

10.4.2. Internet

Name of the Internet provider: VODAFONE



Department of Electronics & Communication Engineering

Available bandwidth: 1Gbps

Wi Fi availability: YES

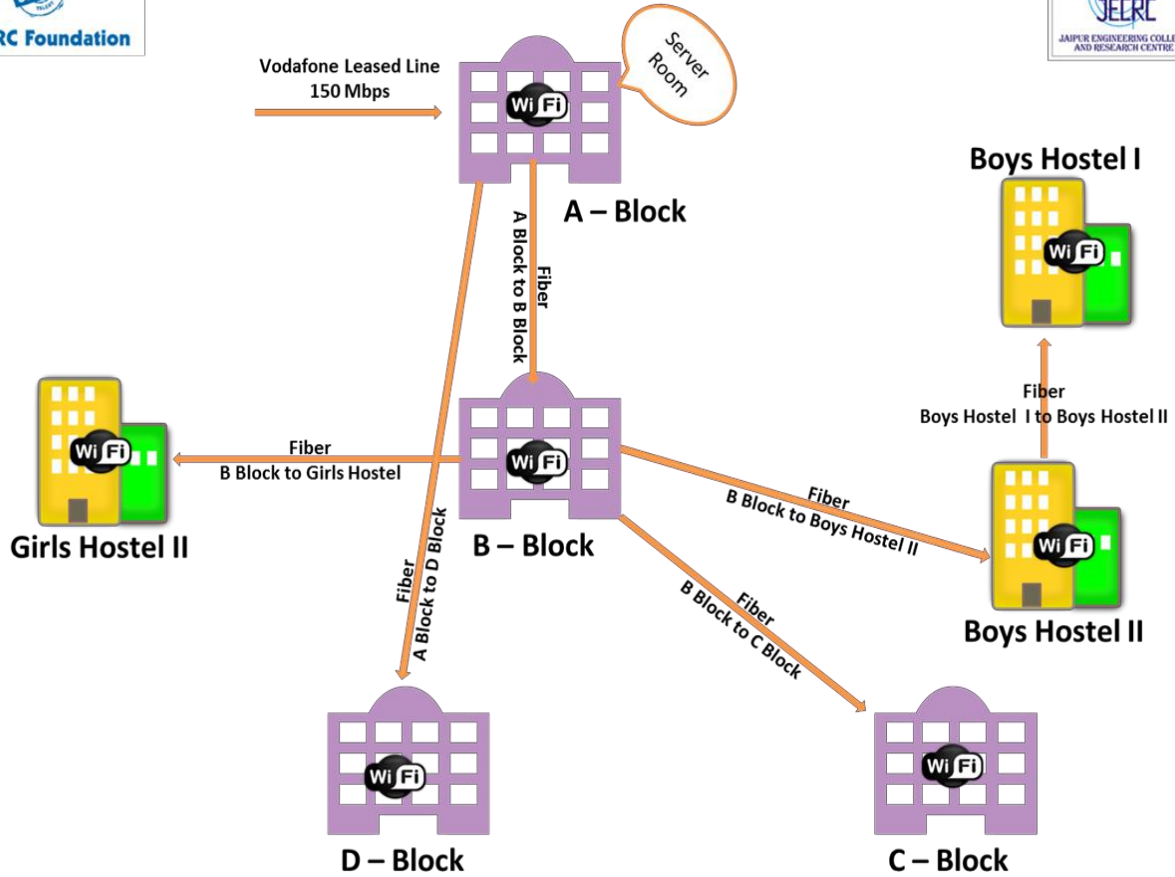
Internet access in labs, classrooms, library and offices of all Departments: YES

Security arrangements: Yes





Jaipur Engineering College & Research Center, Jaipur




Network Diagram



Part C

Declaration by the Institution


JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Ref: JECRC/REG/2018-19/181 Date: 11/09/2018


Declaration


I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.

It is submitted that information provided in this Self-Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA, in case any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Date: 11/9/18
Place: Jaipur

V. [Signature]
Signature & Name
Head of the Institution with seal



 **JECRC Foundation**
www.jecrcfoundation.com

Jaipur Engineering College and Research Centre
Approved by AICTE & Affiliated to RTU
JECRC Campus, Shri Ram Ki Nangal,
Via Sitapura Bypass, Opp. EPIP Gate, Tonk Road, Jaipur 302 022
t: 0141 2770120, 2770232 e: info@jecrcmail.com

ANNEXURE I:

(A) PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOMES (PSOs)

Program shall specify 2-4 program specific outcomes.