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

INFORMATION FORACADEMIC AND ADMINISTRATIVE AUDIT

OF THE DEPARTMENT

(2020-2021)

1. Name of the Department: Electronics & Communication Engineering

2. Year of establishment: 2000

3. Programmes offered: UG

4. Details of certificate/diploma program introduced in the last academic year:

S. No	Program code	Program name	Name of the certificate/diploma introduced in last 5 years	Year of introduction	Link the relevant document
1		Workshop	Workshop on Artificial Intelligence and Neural Networks	19/01/2021 to 20/01/2021	https://drive.google.com/file/d/1jx7VHVz-XuVfauOLH9VhTHlyeg6-DDWk/view?usp=s

5. Details of participation of fulltime teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BOS and Academic Council:

Academic Year	Name of Faculty	Name of the body in which full time teacher participated	Subject	Level/ Semester	Relevant Link
2020-21	NIL	NIL	NIL	NIL	NIL

6. Details of new Courses introduced of the total number of courses across all Programmes offered by the department:

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
NIL	NIL	NIL	NIL	NIL	NIL

7. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

Name of all programs	Whether adopting CBCS course system (yes/no)	Whether adopting elective course system (yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
ECE	YES	YES	EC	2020-21	https://drive.google.com/file/d/1J3tYqADCcZSWfhtV1NBzspq5jHLYKzh_/view?usp=sharing

8. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

Year	Title of the programme	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs
2020-21	Workshop	Workshop on Artificial Intelligence and Neural Networks	174
2020-21	Webinar	Webinar on Journey from Campus to Corporate-Life changes, in association with IEEE Rajasthan Subsection, IETE Rajasthan Centre, & OSA Student Chapter-JECRC	130
2020-21	Webinar	Webinar on Demystifying Deep Learning and Machine Learning, in association with IEEE Rajasthan Subsection, & OSA Student Chapter-JECRC	202
2020-21	Webinar	Webinar on Eradicating Apprehensions about Career Amid COVID-19 Crisis, in association with IEEE Rajasthan Subsection, IETE Student Chapter & OSA Student Chapter-JECRC	140

2020-21	Webinar	Webinar on TEQIP-III Sponsored one day Industry Expert Talk on Evolution of GSM Mobile Network-1G to 5G	350
2020-21	Webinar	Webinar on Data Analytics: Adoption of IOT solution to increase data collection", in association with IEEE Rajasthan Subsection, IETE Rajasthan Centre, Jaipur & OSA Student Chapter-JECRC	165

9. Details of value-added courses imparting transferable and life skills:

S. No	Name of the value-added courses (with 30 or more contact hours) offered during last five years	Course Code	Year of offering	Year of discontinuation	Number of students enrolled in the year	Number of students completing the course the year
1	One month training on Machine Learning with Data Science	--	2020-21	--	53	53
2	One Month training on Artificial Intelligence	--	2020-21	--	13	13
3	One month training on Embedded and IOT	--	2020-21	--	4	4
4	On month training on Industry 4.0 course		2020-21		7	7

10. Details of the students undertaking field projects/ internships:

Program name	Program code	No of students undertaking field projects / internships	Link the relevant document
Industrial training	7EC9A	219	https://drive.google.com/drive/folders/19fBzo8Na28vxRYDPQrl4R8kiG8aPnLRt?usp=sharing
Industrial training	5EC 7	158	https://drive.google.com/drive/folders/19fBzo8Na28vxRYDPQrl4R8kiG8aPnLRt?usp=sharing
industrial training	3EC7	230	https://drive.google.com/drive/folders/19fBzo8Na28vxRYDPQrl4R8kiG8aPnLRt?usp=sharing

11. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1.	Alumni	ECE	YES	YES	https://drive.google.com/file/d/1hNh1RXmSea2jTGzjdWwyQSwnZuWR3xPp/view?usp=sharing
2.	Students	ECE	YES	YES	https://drive.google.com/file/d/1B8eUtdmcspVO9TTJuZIK9vYVlk0LAGpY/view?usp=sharing
3.	Teachers	ECE	YES	YES	https://drive.google.com/file/d/1xRjSBIxbS6iVvmuPCcpEGUul5gNEELFg/view?usp=sharing

12. Number of students from other States and Countries admitted in the department:

Year of Enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2020-21	13	00	https://docs.google.com/spreadsheets/d/1LsvLOOmKsh5oRjrc3TTPS3TvXhDptHDd-

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2020-21	ECE	EC	180	175

14. Number of seats filled against seats reserved for various categories (including Divyangjan) in the department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
	2020-21				6	NIL	37	132	NIL

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NIL	NIL	NIL	NIL	NIL	NIL	NIL

15. Special programmes conducted by the department for advanced learners and slow learners:

As per Attached Google Link

Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

https://docs.google.com/spreadsheets/d/1vNCB5XqFPcsb0pSmlDiiUFTctYwBbop1/edit?usp=sharing&ouid=102361748780843244866&rtpof=true&sd=true

16. Student- Full time teacher ratio:

Year	Number of students enrolled in the department (UG)	Number of students enrolled in the department (PG)	Number of fulltime teachers in the department (UG)	Number of fulltime teachers in the department (PG)	Number of teachers teaching both UG and PG	STR
2020-21	615	NA	46	NA	46	13.36

17. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned*	Filled
Professor	5	3
Associate Professor	10	7
Assistant Professor	29	36
Total	44	46

(* Considering 20:1 STR)

18. Number of fulltime teachers with Ph.D. degree:

Year	Total No. Fulltime teachers	No. of teachers with PhD
2020-21	46	10

19. Details of fulltime teachers who received awards, recognition, fellowship at State, National, International level from government, recognized bodies:

Year	No. Of Full Time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2021	46	1	https://drive.google.com/file/d/143_4FNfLKPkXvjrlkcvhqwKl36GcIgUM/view?usp=sharing

20. Number of fulltime teachers from other States against sanctioned posts:

Year	No. of Fulltime Teachers	No. of teachers from other states
2020-21	46	5

21. Details of examination related grievances received if any.

No grievances received in session 2020-21.

22. Adherence to the academic calendar:

https://drive.google.com/file/d/1S_sWEyUEnHtN1CZBJ2vpqprxGEty8SsX/view?usp=sharing

23. Attainment of Programme outcomes, Programme specific outcomes and course outcomes:

Result awaited for the session 2020-21

24. Result Analysis: 2020-21

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
EC	ECE	II Year/ III Sem	230	Result Awaited
EC	ECE	II Year/ IV Sem		Result Awaited
EC	ECE	III Year/ V Sem	159	124
EC	ECE	III Year VI Sem		Result Awaited
EC	ECE	IV Year/ VII	218	203
	ECE	IV Year VIII Sem		Result Awaited

25. Total Grant received for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs

S N	Name of the Project / Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government /non-Government)	Relevant Document link
	NIL	NIL	**NIL**	NIL	NIL	NIL	NIL	**NIL**	NIL

26. Details of the teachers recognized as research guides:

S.NO	Name of teachers recognized as research guides	PG / PhD Recognition
1.	Dr. Sandeep Vyas	PhD

27. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry- Academia Innovative practices:

S N	Year	Name of the workshop/seminar	Date From –To	Activity (IPR/Industry-Academia Innovative practices)
1	2020-21	Journey from Campus to Corporate-Life changes, in association with IEEE Rajasthan Subsection, IETE Rajasthan Centre, & OSA Student Chapter-JECRC	08-07-2020	Industry- Academia Innovative practices
2	2020-21	Demystifying Deep Learning and Machine Learning, in association with IEEE Rajasthan Subsection, & OSA Student Chapter-JECRC	17-07-2020	Industry- Academia Innovative practices
3	2020-21	Eradicating Apprehensions about Career Amid COVID-19 Crisis, in association with IEEE Rajasthan Subsection, IETE Student Chapter & OSA Student Chapter-JECRC	29-07-2020	Industry- Academia Innovative practices
4	2020-21	Imperative ideas and challenges for the profession development in Industries and Tertiary Education, in association with IEEE Rajasthan Subsection, IETE Student Chapter & OSA Student Chapter-JECRC	14-08-2020	Industry- Academia Innovative practices
5	2020-21	Demystifying Internet of Things (IoT): The Technology for Connected World, in association with IEEE Rajasthan Subsection, IETE Student Chapter & OSA Student Chapter-JECRC	16-09-2020	Industry- Academia Innovative practices

6	2020-21	IoT Protocols: Design and Challenges for Wireless Communication System, in association with IEEE Rajasthan Subsection, IETE Student Chapter & OSA Student Chapter-JECRC	03-10-2020	Industry- Academia Innovative practices
7	2020-21	Data Analytics: Adoption of IOT solution to increase data collection", in association with IEEE Rajasthan Subsection, IETE Rajasthan Centre, Jaipur & OSA Student Chapter-JECRC	23-12-2020	Industry- Academia Innovative practices
8	2020-21	TEQIP-III Sponsored one day Industry Expert Talk on Evolution of GSM Mobile Network-1G to 5G	06-02-2021	Industry- Academia Innovative practices
9	2020-21	Career Options and Opportunities for Electronics Graduates	16/5/2021	Industry- Academia Innovative practices
10	2020-21	Covid 19 second wave: New Varients and Symptoms	16/5/2021	Industry- Academia Innovative practices
11	2020-21	International Career Prospects for Indians in UK	20/5/2021	Industry- Academia Innovative practices
12	2020-21	Unveiling Internship Opportunities for Engineering students"	20/6/2021	Industry- Academia Innovative practices
13	2020-21	Artificial Intelligence and Neural Networks	19/01/2021 to 20/01/2021	Industry- Academia Innovative practices

28. Details of incentives to teachers who receive state, national and international recognition/ awards:

Sr. No.	Name of the Award with contact details	Name of the Award	Name of the Awarding Agency
NIL	NIL	NIL	NIL

29. Details of research papers published by teachers in the Journals notified on UGC website:

S. No.	Title of Paper	Faculty Name	Department of Teacher	Journal Name	Year of Publication	ISSN	Link of the recognition in UGC enlistment of the Journal
1	Performance Comparison Of Different Fractal Shape Antennas For Ultra Wide Band Applications	Dr. Vinita Mathur	ECE	International Journal of Systems Control and Communications	10th Sep2020	1755-9359	10.1504/IJSCC.2020.110852
2	optimization of all optical photonic crystal half adder in two dimensional structure	Yazusha Sharma	ECE	skit research journal			
3	Broadband circularly polarized compact MIMO slot antenna based on strip and stubs for UWB applications	Dr. Jaiverdhan	ECE	Electromagnetics, Tayler and Fr	March, 2021	0272-6343	https://doi.org/10.1080/02726343.2021.1903205

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30. Details of books and chapters in edited volumes/books published and papers in national/ international conference:

S. No.	Faculty Name	Title of the book/chapters published	Title of Paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of Publication	Affiliating Institute at the time of publication	Name of the publisher	ISBN/ ISSN number of the proceeding		Relevant link
1	Ashish Sharma		Timely detection of Seismic waves in Ground motion data using Improved S-Transform		2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE)	International	2020	JECRC, jaipur	IEEE	ISBN: 978-1-7281-8868-3		https://ieeexplore.ieee.org/document/9358363
		Algorithm for Intelligent system	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	2020	JECRC, Jaipur	Springer	Book Chapter Soft Computing for Problem Solving, , Advances in Intelligent Systems and Computing, Springer Singapore		In process of printing
			A Binary NSGA-II Model for declustering seismicity of Turkey and Chile		IEEE Congress for Evolutionary Computation, Poland	International	2020	JECRC, Jaipur	IEEE	ISSN 2229-5518		In process of printing

2	Dr. Vinita Mathur	Octagonal Patch antenna for WiMax Applications		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/researchpaper/Octagonal-patch-antenna-for-WiMax-Applications.pdf
		A Survey on Evolution of Internet of Things		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		Scopus	https://www.ijser.org/onlineResearchPaperViewer.aspx?A-Survey-on-Evolution-of-Internet-of-Things.pdf
		Bridged Circular Microstrip Patch Antenna for Wireless Applications		Materials Today Proceedings, (Published by Elsevier Netherland)	International	11th March, 2021	JECRC, jaipur		ISSN 2229-5518	10.1016/j.matpr.2021.02.500
		A Study on the Behaviour of MANET: Along with Challenges, Applications and Security Attacks		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?A-Study-on-the-Behaviour-of-MANET-Along-with-Challenges-Applications-and-Security-Attacks.pdf
3	Dr. Parul Tyagi	Octagonal Patch antenna for WiMax Applications		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/researchpaper/Octagonal-patch-antenna-for-WiMax-Applications.pdf

			A Survey on Evolution of Internet of Things		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?A-Survey-on-Evolution-of-Internet-of-Things.pdf
			A Study on the Behaviour of MANET: Along with Challenges, Applications and Security Attacks		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?A-Study-on-the-Behaviour-of-MANET-Along-with-Challenges-Applications-and-Security-Attacks.pdf
4	Devesh Gupta		Novel Vedic Multiplication Technique and its Implementation â€" A Fast and Simple Method of Convolution		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	www.ijser.org/onlineResearchPaperViewer.aspx?Novel-Vedic-Multiplication-Technique-and-its-Implementation-A-Fast-and-Simple-Method-of-Convolution.pdf
			A Review on ground use & ground Cover in India		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?A-Review-on-ground-use-ground-Cover-in-India.pdf
5	Jai Prakash Mishra		A hybrid noise removal algorithm for MEMS sensors		ICAMCM-2021 (Materials Today: Proceedings)	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?SILVER-AND-GOLD-BASED-PLASMONICS-BASED-FIBRE-OPTIC-SENSORS-A-REVIEW.pdf

6	Dr. Sandeep Vyas		Carbon Nano-Tube Field Effect Transistor (CNTFETs): A Promising Technology for future Ics		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?Carbon-Nano-Tube-Field-Effect-Transistor-CNTFETs-A-Promising-Technology-for-future-Ics.pdf
			SILVER AND GOLD BASED PLASMONICS BASED FIBRE OPTIC SENSORS: A REVIEW		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?SILVER-AND-GOLD-BASED-PLASMONICS-BASED-FIBRE-OPTIC-SENSORS-A-REVIEW.pdf
			Quad-band Frequency Reconfigurable Microstrip Patch Antenna Using Modified Ground Plane for the WI-FI, Wi-Max, RF-Altimeters, and WLAN Applications		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?Quad-band-Frequency-Reconfigurable-Microstrip-Patch-Antenna-Using-Modified-Ground-Plane-for-the-WI-FI-Wi-Max-RF-Altimeters-and-WLAN-Applications.pdf
			Review: the Human Pose Estimation using Radio Frequency		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	27-28th August 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?Review-the-Human-Pose-Estimation-using-Radio-Frequency.pdf

7	Dr. Girraj sharma		AlGaN/AlN/GaN SG-HEMT as pH detector: A simulation study		Materials Today Proceedings, (Published by Elsevier Netherland)	2214-7853	24 April 2021	JECRC, jaipur		Scopus		
			Quality Parameter Index Estimation for Compressive Sensing Based Sparse Audio Signal Reconstruction		IOP : Materials Science and Engineering	1757-899X	1 April 2021	JECRC, jaipur		Scopus		
			Mid-infrared supercontinuum generation using low peak pump power in As38Se62 based chalcogenide photonic crystal fiber		IOP : Materials Science and Engineering	1757-899X	1 April 2021	JECRC, jaipur				
8	Dr. Jaiverd han		Mid-infrared supercontinuum generation using low peak pump power in As38Se62 based chalcogenide photonic crystal fiber		IOP Conference Series: Materials Science and Engineering	1757-899X	1 April 2021	JECRC, jaipur		Scopus		doi:10.1088/1757-899X/1119/1/012022
9	Ashish Kulshre stha		Dispersion Properties of Silica based Carbondisulphide filled Photonic Crystal fibre		Materials Today Proceedings, (Published by Elsevier)	International	Jul, 2020	JECRC, jaipur		15933		https://www.sciencedirect.com/science/article/pii/S2214785320347234

			Dispersion in Circular based Solid Core Photonic Crystal fibre		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518		
			A Comparitive Study of Dispersion Characteristics of CS2 Filled PCF Based on BK10 Material		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518		
10	Dr.S.S. Manaktala		Optoelectronics and piezo-photoronics		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sep, 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/iccomet-2020-conference-papers.aspx
11	Bhoopesh Kumar Kumawat		A Review on Doped and Deffected Graphene-based materials for supercapacitor electrodes		ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"- 2020	International	Sept. 2020	JECRC, jaipur		ISSN 2229-5518	https://www.ijser.org/iccomet-2020-conference-papers.aspx

31. Details of the extension activities undertaken by the department in sensitizing students to social issues and holistic development:

Sr. No	Program Details	Collaborating Agency	Number of Participated Students	Remarks
1	"एक प्रार्थना एक साथ ज़रूरत की कोशिश सबके साथ"	JECRC Zarurat	8	NIL
2	Invited Talk on COVID 19 Pandemic Current Scenario	JECRC Zarurat	15	NIL

32. Total number of awards and recognition received for extension activities from Government/ recognized bodies:

S No	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty
	NIL	NIL	NIL	NIL	NIL

33. Details of extension and out reached Programmes conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
	NIL	NIL	NIL	NIL	NIL

34. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	Name of the activity	Organising unit/agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	"एक प्रार्थना एक साथ ज़रूरत की कोशिश सबके साथ"	JECRC Zarurat	NIL	2020-21	8
2	Invited Talk on COVID 19 Pandemic Current Scenario	JECRC Zarurat	NIL	2020-21	15

35. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

Sl. No.	Title of the linkage	Name of the Partnering institution/ industry/research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage
	NIL	NIL	NIL	NIL	NIL

36. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:(2020-21)

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
1	Techie Nest Pvt. Ltd	Techie Nest Pvt. Ltd	2018-19	3 Years	https://drive.google.com/file/d/1OxiYc12FsQF1qt6YtSmfI3Rtg1MGH-	56

37. Details of departmental infrastructural & other facilities:

a) Departmental Library (books, journals etc.): Available (1)

c) Computers and Internet facilities for staff: Available

d) Total number of classrooms: 09

e) Classrooms with ICT facility: 09

f) Students' laboratory: 11

g) Research laboratories: Available (1)

h) Seminar Hall: NIL

i) Smart classroom: 09

j) Any other facility LCDs, Available (2)

38. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
607	84	607/84

39. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
https://docs.google.com/spreadsheets/d/13mhhq-WgPm2Hvm0cB-3FTs33Q2vZvcV5t65bBdAz-P0/edit?usp=sharing	

40. Details of maintenance of laboratory and classrooms:

https://drive.google.com/file/d/1Kg3G4S8Sr5PiOTZcYJzdgLBamijC5JJL/view?usp=sharing

41. Number of students benefited by scholarships and free ships provided by the Government:

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme (free ships)	State Minority Scholarship	Merit Cum-Means Scholarship
-	-	-	-	-

42. Total number of students benefited by scholarships, free ships, etc provided by the institution besides government schemes:

Name of the scheme with contact information	Number of students benefited by non-government schemes
NIL	-
TOTAL STUDENTS BENEFITTED	-

43. Number of students enrolled capability enhancement and development scheme:

Name of Capability Enhancement Scheme	Year of Implementation	Number of Students enrolled	Name of the agencies involved with Contact Details
Personal Counselling	2020-21	219	S. S Manaktala, Vikas Sharma, Ankur gangwar, Ritambhara & Mentor Team
Yoga & Meditation	2020-21	-	Spiritual Cell, JECRC

44. Number of students in the department benefitted by guidance for competitive examinations and career counselling offered by the institution:

Year	Name of the scheme	Number of students benefited /attended/participated by career counselling/Competitive exam activities
2020-21	Campus recruitment Training 2021	201

45. Number of students attending Vocational Education and Training (VET)

Number of students attending VET	Total number of students
219	219

46. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
No grievances appealed	No grievances redressed	--

47. Number of outgoing students placed along with name of the employer with contact details:

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
12	Accenture	450000	B.Tech
30	TCS Ninja	336000	B.Tech
1	HPE	1	B.Tech
6	AU finance	350000	B.Tech
4	360 degree cloud	300000	B.Tech
1	Mobcoder	300000	B.Tech
3	Naggaro	300000	B.Tech
3	Acad Guru	216000	B.Tech
51	chegg		B.Tech
1	TCS Digital	700000	B.Tech
2	LTI Phase 2	350000	B.Tech
1	Biz4Group		B.Tech
9	Coforge	400000	B.Tech
2	Softsages	240000	B.Tech
1	Billdesk	800000	B.Tech
1	Memmores	180000	B.Tech
2	Pratham Softwares	500000	B.Tech
5	Infosys	350000	B.Tech
4	E2V	400000	B.Tech
29	Hariom	240000	B.Tech
9	JustDial	216000	B.Tech
1	DXC		B.Tech
1	Fitpay		B.Tech

1	P2 Power	240000	B.Tech
3	Rootsqaure	240000	B.Tech
1	Ad Global	360000	B.Tech
1	Zs Associate	900000	B.Tech

48. Details of the students going for higher education:

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
Jatin Sharma	JECRC, RTU	Electronics and Communication	MNIT, Jaipur	M.Tech
Ankit Kaushik	JECRC, RTU	Electronics and Communication	MNIT, Jaipur	M.Tech
Naman Kankaria	JECRC, RTU	Electronics and Communication	Balaji Institute of Modern Management	MBA-Marketing Management

49. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Year	Registration number/roll number for the exam	Name of students selected/ qualifying					
		NET	GATE	CAT	IELET	Other equivalent examination/IBPS	State government examinations / Central government examinations
2021	EC21S43021048		Akshat Mathur				
2021	EC21S43064203		Akshay Jain				
2021	EC21S43021106		Anchita Goyal				
2021	EC21S43018211		Ankit Kaushik				
2021	EC21S43019010		Anup kumar				

2021	EC21S43018061		Aryan pareek				
2021	EC21S43014149		Asmita Verma				
2021	EC21S43018262		Astha Choudhary				
2021	EC21S43018191		Ayushi Rawat				
2021	EC21S43018379		Chandan Kumar				
2021	EC21S43014218		Jatin Sharma				
2021	EC21S43018398		Krishnanjana s				
2021	EC21S43018270		mahima jain				
2021	EC21S43018263		Mayank				
2021	EC21S43017156		Prateek Sharma				
2021	EC21S43025289		Praveen Sharma				
2021	EC21S43018229		Raghav Singhal				
2021	EC21S43014105		Rahul Sogani				
2021	EC21S43018161		Rajan Dhawan				
2021	EC21S43018195		Saurabh Kumar				
2021	EC21S43018009		Shubham Mittal				
2021	EC21S43019004		Tanuj Agarwal				
2021	EC21S43014220		Yash Gupta				
2021	EC21S43019003		Yash Gupta				
2021	IN21S13019052		Yash Gupta				
2021	EC21S43020036		Rohit Anand				
2021	EC21S43019025		Kushal Jain				

2021	EC21S43025149		Priyal Agarwal				
2021	EC21S43017122		Anand Raj Jain				

50. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:

Name of the award/medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Aadhaar Number/Admission Number
NIL	NIL	NIL	NIL	NIL	NIL

51. Details of the student council and the departmental student chapters:

S.NO	Name of Student Chapter	Year of Affiliation
1	OSA Student Chapter	Aug 2018
2	IETE Student Forum	Jan 2005

52. Number of sports and cultural activities/competitions organized at the institution level:

Year	Name of the Activity	
	SPORTS	**CULTURAL**
2020-21	**NIL**	**RENAISSANCE 2021-A technical cum cultural**

53. Details of the contributions of alumni in the development of the department/ institution through financial and non-financial means:

Sr.	Date	Title	Speaker	Attendees	Duration
1	6 August 2021	Interview Skills	Mr Akshay Sharma	95	1 Hr

54. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:

Sr. No	Name of teacher	PAN	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support (REMARK)
1	Ashish Sharma	DOBPS4622L	5th IEEE international conference on recent advancement and innovation in Engineering (ICRAI)-2020	SCOPUS Indexed	2450/-
2	Ashish Sharma	DOBPS4622L	SocProc-2020 at IIT Indore	Springer	2000/-
3	Dr. Sandeep Vyas	AFXPV5199R	International conference on advances in material science, communication and microelectronics (ICAMCM-2021)	NIL	3000/-
4	Devesh Gupta	AOKPG6567J	International conference on advances in material science, communication and microelectronics (ICAMCM-2021)	NIL	3000/-
5	Jaiprakash Mishra	AWCPM2988B	International conference on advances in material science, communication and microelectronics (ICAMCM-2021)	NIL	2000/-
6	Dr. Vinita Mathur	AKHPM3052H	International conference on advances in material science, communication and microelectronics (ICAMCM-2021)	NIL	2000/-

55. Number of professional development/administrative training programs organized by the department for teaching and non-teaching staff:

Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from- to)	Dates (from-to) Nonteaching	No of participants (Teaching Staff)	No of participants (Nonteaching Staff)
ATAL FDP on "Productivity Enhancement through Meditation"	NIL	24th – 28th May, 2021	NIL	8	NIL
TEQIP III FDP on "Emerging trends in Nanotechnology"	NIL	21st – 25th Sep, 2020	NIL	11	NIL
TEQIP III FDP on "Recent Trends in Circuit & Communication"	NIL	19th – 24th Feb, 2021	NIL	16	NIL

56. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:

Number of teachers who attended	Title of the professional development program	Date and Duration(from–to)
8	ATAL FDP on "Productivity Enhancement through Meditation"	24th May to 28th May, 2021
11	TEQIP III FDP on "Emerging trends in Nanotechnology"	21st – 25th Sep, 2020
16	TEQIP III FDP on "Recent Trends in Circuit & Communication"	19th – 24th Feb, 2021
https://docs.google.com/spreadsheets/d/1Qb4l_BF0FnfyIV8ierPBxOpLFVy4zou3nsj_Rn2p6o0/e		

57. Total Grants received from non-government bodies, individuals, Philanthropes:

Name of the non-government funding agencies/individuals	Funds/Grants received in Rs.	Initiative
Techienest Private Limited	20,000	Energy Efficient Wireless Communication Devices
Techienest Private Limited	30,000	IOT Enabled Embedded Systems
R S Tele Solutions Private Limited	25,000	Wi-Fi networks and communication towers
Aarogya Diagnostic Centre	20,000	Maintenance and Training
Praganik Training and Research Centre, Jaipur	40,000	
Pushti Infootech Pvt Ltd. Noida, U.P	40,000	
Praganik Training and Research Centre, Jaipur	20,000	
R S Tele Solutions Private Limited	25,000	Wi-Fi networks and communication towers
Aarogya Diagnostic Centre	20,000	Maintenance and Training

58. Details of quality enhancement initiatives in the academic and administrative domains of the department:

Alumni Talks:

Sr. No	Date	Title	Speaker	Attendees	Duration
1.	6 August 2021	Interview Skills	Mr Akshay Sharma	95	1 Hr

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Certification Programs:

S. No	Name of the Certification Program	Year of offering	Number of students enrolled in the year	Number of students completing the course the year
1	One month training on Machine Learning with Data Science	2020-21	53	53
2	One Month training on Artificial Inteligence	2020-21	13	13
3	One month training on Embedded and IOT	2020-21	4	
4	On month training on Industry 4.0 course	2020-21	7	7

59. Number of gender equity promotion Programmes organized by the department:

S No	Name of The activity	Organising unit/ agency/collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
		https://drive.google.com/file/d/1YMX8irViMeqjIRH41qPU6OIBPQh2 ADxo/view?usp=sharing			

60. Details of the PBL topics floated by the department:

https://drive.google.com/file/d/11JENRoPKRgcmEYyDWGuTGD8YOu1dHAgZ/view?usp=sharing

61. Details of the final year project:

Total - **63**Projects

In House – **57** Projects

Industry – **06** Projects

https://docs.google.com/spreadsheets/d/1CaAnLQjtd02scTEpeVQJEZJ5Opk_s6aA/edit?usp=sharing&ouid=11552957171865002820&rtpof=true&sd=true

62. Initiatives taken by the department to enhance the quality of teaching learning process, research, and entrepreneurship:

1. Departmental centre of Excellence:
   Presently we have two COEs in our department.
   (a) **Embedded Systems**: It would be extended and would be advanced with VLSI and DSP Technologies.
   (b) **Robotics**: Now this COE would emphasize on Robots equipped with ML and AI Technologies.

We are in state of establishing new COE which would deal with **Energy Efficient Internet of Things (IoT) Devices.**

   2. Departmental Incubation/ Innovation centre:

We have started to establish a Departmental Incubation and Innovation Cell which would Foster a culture of innovation, start-ups, and entrepreneurship in the department.

   Core Responsibilities of Incubation Cell Would be:
- Encourage all students to pursue entrepreneurship.
- Run awareness programs for students on the value of being job-creators.

- Offer specialized programs and training in areas like social entrepreneurship and rural start ups.
- Develop linkages with technology/R&D institutions; large corporate and MSME and angel investors, venture capitalists and professional service providers.
- Allocation of Resources like space, internet, telephone, electricity, data centre, maintenance and security, furnishing (chair, table, cubicles), IT infra and support.

   3. Departmental industry Collaboration: **Industry-institute Collaboration** is the most preferred activity for mutual benefit and growth of **industries** as well as institutions. It provides the best platform for showcasing the best practices, latest technological advancements, and their implementation and impact on the **industry**.

   We have initiated to get Collaboration with industries in the domains of:

- Internet of Things (IoT)
- Big Data
- Smart Cities
- Clean-Tech
- Edu-Tech
- Agri-Tech and Rural Development
- Health-Tech
- Machine Learning
- Artificial Intelligence
- Cyber Security
- Social Media, Mobility, Analytics an Cloud Computing (SMAC)
- Virtual Reality and Artificial Reality
- Electronics & Semiconductors

4. Departmental start-up: **With the help of Industry-institute Collaboration and Departmental Incubation/ Innovation centre,** interested students would be able to run their start-ups.

We Will:

- Provide seed funding to enable start-ups to develop and pilot prototypes and to conduct market research.
- Provide services such as mentoring, legal aid, financial services, technical guidance, and intellectual property related services etc.

Declaration by the Head of the Department:

I am aware that the above information provided by the department will be validated by the committee during the visit.

Prepared By: 1. Dr. Parul Tyagi
(Associate Professor, ECE)

2. Mr. Ashish Kulshrestha
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