



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT
OF THE DEPARTMENT
(2019-2020)**

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		Technical Workshop	Work-Shop on Virtual Labs	20/8/2019	https://drive.google.com/file/d/1Nr6jzNEV2aqCgfS2Ow6DyQGNs-VPcVUy/view?usp=sharing
2		Technical workshop	Workshop on IOT enabled energy efficient Systems	19/2/2020 to 25/2/2020	https://drive.google.com/file/d/1OxiYc12FsQF1qt6YtSmfl3Rtg1MGH-MZ/view?usp=sharing
3		Technical Workshop	Workshop on Applications of Machine Learning With PYTHON	24/2/2020 to 29/2/2020	https://drive.google.com/file/d/1du10z0DFfaCqFTNKRpS6f0DBRmK-r_9i/view?usp=sharing
4		Technical Workshop	Workshop on Ethical Hacking	4/3/2020 to 12/3/2020	https://drive.google.com/file/d/1OxfRzR0Ic0NAz_xCvrEvpFPP1aLweEpJ/view?usp=sharing

P. S.

[Signature]
Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

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

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
2019-20	Jai Prakash Mishra	Poornima College, Jaipur	VHDL External Practical	7 Sem	https://drive.google.com/file/d/1cEr9ZVozU5Ca5f5awPPHS8WxFJAry6Ci/view?usp=sharing
2019-20	Ashish Sharma	JNU Jaipur	Microprocessor Lab	5 Sem	https://drive.google.com/drive/u/1/folders/1sUg5l5c1aDIkaEyQrSxt35WDebt5C2fb

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	2019-20	https://drive.google.com/file/d/1J3tYqADCcZSWfht


Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

					VINBzspq5j HLYKzh_/vi ew?usp=shari ng
--	--	--	--	--	--

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
2019-20	Technical Workshop	Workshop on Virtual Labs	473
2019-20	Technical workshop	Workshop on IOT enabled energy efficient Systems	145
2019-20	Technical Workshop	Workshop on Applications of Machine Learning with Python	158
2019-20	Technical Workshop	Workshop on Ethical Hacking	450

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	Workshop on IOT enabled energy efficient Systems	--	2019-20	--	56	56
2	Workshop on Applications of Machine Learning With PYTHON	--	2019-20	--	50	50
3	Workshop on Ethical Hacking	--	2019-20	--	154	154

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

Program name	Program code	No of students undertaking field projects / internships	Link the relevant document

Head of the Department
Electronics & Communication Engineering
JECRC Jaipur

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

Industrial Training	7EC9A	230	https://drive.google.com/drive/folders/0Bw5ril6kAkTufmdxcWM1VE9aZ1BBVnU4NE5yOXIWNW1ybFdRZGdQeXQ0RHhXTWFvS0NPUIU?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/1YgM7o1jeA1LnGvc-agLlfukz_PHSozxg/view?usp=sharing
2.	Students	ECE	YES	YES	https://drive.google.com/file/d/1_NmcuqLerp49YVVfPglvJUqNnYATQnAx/view?usp=sharing
3.	Teachers	ECE	YES	YES	https://drive.google.com/file/d/166mEh6QKP5d2efRa2BG9_9X51Ya_9yz_/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
2019-20	27	00	https://drive.google.com/drive/folders/1bT50zpnA5B8eIFrY4rgE2WfXw2NCGWRf?usp=sharing

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2019-20	ECE	EC	240	231

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


 Head of the Department
 Electronics & Computer Engineering

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

		SC	ST	OBC	SC	ST	OBC	Gen	Others
	2019-20				10	NIL	50	171	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://drive.google.com/file/d/1Vei1Hndqs8eSuc_uotrqlLrfy_TF_64j/view?usp=sharing

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 courses	STR
2019-20	620	NA	44	NA	44	14.1

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

Designation	Sanctioned*	Filled
Professor	5	1
Associate Professor	10	6
Assistant Professor	29	37
Total	44	44

(* Considering 15:1 STR)






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

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

Year	Total No. Fulltime teachers	No. of teachers with PhD
2019-20	44	8

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
NIL	NIL	NIL	NIL

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

Year	No. of Fulltime Teachers	No. of teachers from other states
2019-20	44	4

21. Details of examination related grievances received if any.

No. of examination related grievances received in session 2019-20: 2 (Link Attached)

(1) https://drive.google.com/file/d/1-9dVKwscW9QPLPYp-a1X9C5E9Xxv8_-u/view?usp=sharing

(2) <https://drive.google.com/file/d/1bN3vD1VygyEA8RCpUfHZsD3TzvX4aGU0/view?usp=sharing>

22. Adherence to the academic calendar:

<https://jecrcfoundation.com>

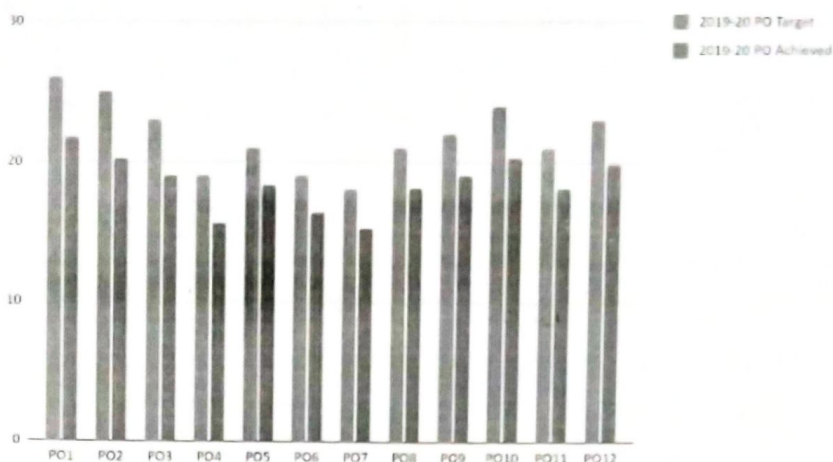
23. Attainment of Programme outcomes, Programme specific outcomes and course outcomes:

(Link Attached)

1. Programme outcomes Attainment:

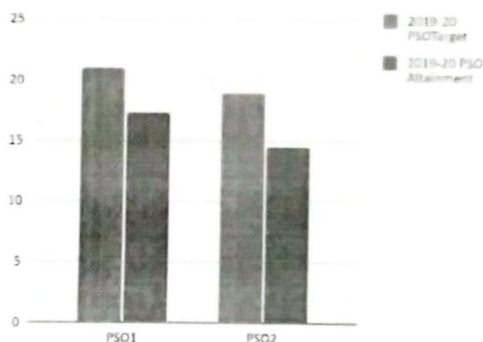

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

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



https://docs.google.com/spreadsheets/d/1VFwT3_Yr0D0dLO4h98iw8X342waPyQ6RxYczVEby1ig/edit?usp=sharing

2. Programme specific outcomes Attainment:



https://docs.google.com/spreadsheets/d/1OdpYRkCkTHUd2LIzIDnsMI51FyV-R7Hgh_NUQPWjb0/edit?usp=sharing

3. Course outcomes Attainment:

<https://docs.google.com/spreadsheets/d/1xUy7ifnTsOez1y0Axj1h7UfHSTEFXlGHA9yjpR9jdxE/edit?usp=sharing>

24. Result Analysis: 2019-20

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	159	81
EC	ECE	II Year/ IV Sem		Result Awaited

(Signature)

Head of the Department
 Electronics & Communication Engineering
 JECRC, Jaipur

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

EC	ECE	III Year/ V Sem	216	131
EC	ECE	III Year VI Sem		Result Awaited
EC	ECE	IV Year/ VII	228	182
	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. S. K. Singh	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	2019-20	Invited Talk (Endeavour Careers.)	16/07/2019	Industry- Academia Innovative practices
2	2019-20	Invited Talk (Made Easy)	08/01/2020	Industry- Academia Innovative practices
3	2019-20	Invited Talk (Jamboree Education)	21/01/2020	Industry- Academia Innovative practices
4	2019-20	Invited Talk (Ims Education)	23/01/2020	Industry- Academia Innovative practices
5	2019-20	Workshop On Virtual Labs	20/08/2019	Industry- Academia Innovative practices


 Head of the Department
 Electronics & Communication Engineering
 JECRC, Jaipur



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

6	2019-20	Workshop on IOT enabled energy efficient Systems	19/02/2020 to 25/02/2020	Industry- Academia Innovative practices
7	2019-20	Workshop on Applications of Machine Learning	24/02/2020 to 29/2/2020	Industry- Academia Innovative practices
8	2019-20	Workshop on Ethical Hacking	4/03/2020 – 12/3/2020	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	Fuzzy cognitive network-based maximum power point tracking using a self-tuned adaptive gain scheduled fuzzy proportional integral derivative controller and improved artificial neural network-based particle swarm optimization	Dr. S.K. Singh	ECE	<u>Fuzzy Sets and Systems</u> (Elsevier)	Feb-2020	0165-0114	Science Direct/ https://doi.org/10.1016/j.fss.2019.02.007
	Fuzzy Cognitive Network by Adaptive Fuzzy PID Controller and Hybrid Optimization Algorithm			IJST	July-2019	0974-6846	DOI: 10.17485/ijst/2019/v12i28/144997

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur



JAI PUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

2	Photonic Crystal-Based All-Optical Half Adder with High Contrast Ratio", Journal of Optical Communications	Dr. Sandeep Vyas	ECE	Journal of Optical Communications	2020	Print ISSN: 0173-4911	DOI: 10.1515/joc-2019-0245 Scopus Index Journal
3	Novel Vedic Multiplication Technique and its Implementation – A Fast and Simple method of convolution	Dr. Rajesh Bhatija	ECE	Alochana Chakra Journal	June 2020	2231-3990	DOI:10.01011.ACJ.2020.V9 16.00068749.02405
4	A Novel Elliptical Ring Microstrip Patch Antenna for Ultra-Wideband Applications	Dr. Vinita Mathur	ECE	Wireless Personal Communications	May 2020	0929-6212	https://doi.org/10.1007/s11277-020-07515-8 SCI-E
	Performance Comparison of different fractal shape antennas for ultra wide band applications			International Journal of Systems, Control and Communications	Sep-20	In Press	DOI: 10.1504/IJSCC.2020.110852 Scopus
	Microstrip Hexagonal Fractal Antenna for Military Applications			Journal of RF-Engineering and Telecommunications	Aug-19	2191-6349	DOI: 10.1515/freq-2019-0028 Scopus
5	Design and Analyze the Effect of InGaN Nanomaterial in Light Emitting Diode towards Improving the Performance of Quantum Efficiency	S.S Manaktala	ECE	IJRTE	Jul-19	2277-3878	SCOPUS INDEXED
	Study of InGaN/GaN multiple quantum well green light-emitting diodes as a promising replacement of conventional light sources			IJEAT	Oct-19	ISSN 2249-8958	

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

6	Dual Ring resonator based 3-D photonic crystal for ADF using FDTD Least square technique	Dr. Neha Singh	ECE	Wireless Personal Communications	2020	0929-6212	10.1007/s11277-020-07575-w
---	--	----------------	-----	----------------------------------	------	-----------	----------------------------

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	Dr. Sandeep Vyas		Review: Nonlinear Effects in Photonic Crystal Fiber for Bio-Sensing	4th International Conference on Innovative Advancement in Engineering & Technology (IAET-2020)	4th International Conference on Innovative Advancement in Engineering & Technology (IAET-2020)	International	Feb./2020	JNU, Jaipur, India	Social Science Research Network (Elsevier)		DOI: http://dx.doi.org/10.2139/ssrn.3548424
2	Dr. Sandeep Vyas		Exploration of Agriculture Automation Employing IoT Gateway and Wireless Network	4th International Conference on Innovative Advancement in Engineering & Technology (IAET-2020)	4th International Conference on Innovative Advancement in Engineering & Technology (IAET-2020)	International	Feb./2020	JNU, Jaipur, India	Social Science Research Network (Elsevier)		DOI: http://dx.doi.org/10.2139/ssrn.3553783
3	Dr. Rajesh Bathija		McCMOS based UT Multiplier	International Conference on Communication, optical and Microelectronics: the emerging trends	International Conference on Communication, optical and Microelectronics: the emerging trends	International	April 6-7, 2019	JECRC, Jaipur	IJSER		

[Handwritten Signature]

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

Neha Singh	Simulation of five channel demultiplexer using double ring resonator photonic crystal based ADF	ICDSA 2019	ICDSA 2019	International	Dec 2019	KITE, Jaipur	Proceedings of International Conference on Data Science and Applications (Springer)	978-981-15-7560-0	978-981-15-7561-7	https://doi.org/10.1107/978-981-15-7561-7_13
Ritam bhara	A Novel CNFET Based CCCDT A And Its Application as a Schmitt Trigger. (Best paper Award)	ICETSGAI 4.0	ICETSGAI 4.0	International	Dec 2019	BIT, Meera, Ranchi	Springer			
Ashish Kumar	Development and Characterization of ZnO Thin Film for Piezoelectric applications	IAET-2020	IAET-2020	International	February-2020	JNU Jaipur	Materials Today: Proceedings			https://doi.org/10.1116/j.matpr.2020.01.351
Girraj Sharma	Cooperative Spectrum Sensing Over Weibull and Hoyt Fading Channels using Centralized and Distributed Schemes	ICETCE	ICETCE	International	February-2020	SKIT, Jaipur	IEEE Explore	--	978-1-7281-1683-9	10.1109/ICETCE4199.2020.9091740

(Handwritten Signature)
Head of the Department
Department of Information Engineering

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

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	Development of COVID 19 Food Supply Management App	Navyug Think India Foundation, Jaipur	2	1

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

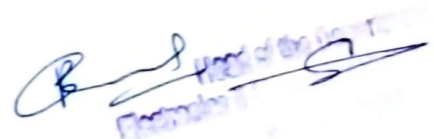
S No	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty
	NIL	NIL	NIL	NIL	NIL

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	Gandhi Jayanti Celebration	Navyug Think India Foundation, Jaipur	NIL	2019-20	58
2	Surgical Strike Day	Salute Tiranga	NIL	2019-20	100


 Head of the Dept.
 Extension

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

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
1	Industrial Tour	Travel 12Go (9772577729)	2019-20	14 Feb-20 Feb 2020	Field Trip
2	Project Development	Techie Nest Pvt. Ltd	2018-19	3 years	Research

36. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:


(2019-20)

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/1OxiYc12FsQF1qt6YtSmfl/3Rtg1MGH-	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: NIL
- f) Students' laboratory: 11
- g) Research laboratories: Available (1)
- h) Seminar Hall: NIL
- i) Smart classroom: NIL
- j) Any other facility LCDs, Available (2)

38. Student – Computer ratio:


 Head of the Department
 Electronics & Communication Engineering
 JECRC, Jaipur

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

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
620	84	620/84

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/1AnzDxgqAIHz6uAFnvS20wAtW-GMBHf-QepGx2qx2fdg/edit?usp=sharing

40. Details of maintenance of laboratory and classrooms:

<https://drive.google.com/file/d/1iAnQgNqb07ETnDmX2PpzvtEEkRBQnv8/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
NIL	NIL	NIL	NIL	NIL

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	NIL
TOTAL STUDENTS BENEFITTED	NIL

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
Soft Skill Development	2019-20	233	Focus Academy for Training, Winners Academy,
Bridge	2019-20	56	TechieNest



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

courses			
Personal Counselling	2019-20	233	S. S Manaktala, Neha Singh, Devesh Gupta, Rajesh Bathija & Mentor Team
Yoga & Meditation	2019-20	85	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
2019-20	CRT	186

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

Number of students attending VET	Total number of students
230	230

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
59	Accenture	4L- 7L	B. Tech
37	Capgemini	4L	B. Tech
10	TEPL	2.4L	B. Tech
20	TCS	4L-7L	B. Tech
8	MARVEL Info Tech	3L	B. Tech
7	JUST DIAL	2.4L	B. Tech

Head of the Department
Electronics & Communication Engg
JECRC, Jaipur

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

8	ATC	3L	B. Tech
6	Alibaba	3.6L	B. Tech
6	By Ju's	12L	B. Tech
2	Academia Guru	6L	B. Tech
9	Wipro	4L	B. Tech
7	Infosys	4L	B. Tech
3	BirlaSoft	3L	B. Tech
2	Thrillophilia	3L	B. Tech
2	Vodafone	3L	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
Mohit Bhootra	JECRC, RTU	Electronics & Communication	Nirma University, Ahmedabad	MBA
Vidushi Gaur	JECRC, RTU	Electronics & Communication	IIT Mumbai	M.Tech
Devant Kumar	JECRC, RTU	Electronics & Communication	NIT, Warangal	M.Tech
Ayush Jain	JECRC, RTU	Electronics & Communication	BITS PILANI, HYDERABAD	M.Tech
Chinmai Bhardwaj	JECRC, RTU	Electronics & Communication	M.TECH, UPES, DEHRADUN	M.Tech

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):

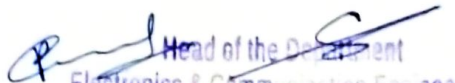
Year	Registration number/roll number for the exam	Name of students selected/ qualifying					
		NET	GATE	CAT	IELET	Other equivalent examination/IB PS	State government examinations / Central government examinations



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

2019	EC19S53020050		VIDUSH I GAUR				
2019	9227289			ROHIT SHAR MA			
2020	R1019105				SHASHA NK SHARM A		
2020	1158					KRIATIKA SAINI (IBPS)	
2019	EC19S53020228		SURAB HI SINGH				
2020	EC20S43002027		AYUSH JAIN				
2020	EC20S43015135		CHUNM UN KHAND ELWAL				
2020	EC20S43016062		ANJALI NYATI				
2020	EC20S43017088		AMBUZ SHUKL A				
2020	EC20S43025127		VRATIK A PORWA L				
2020	2293						SHEJAL YADAV (INCOME TAX)
2019	DL01528600	KRI TIK A SAI NI					
2020	EC20S43015105		DEVAN T KUMAR				


Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

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

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
2019-20	NIL	NIL

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.	5 March 2020	Interview Skills	Mr. Akshay Sharma	90	1 Hours
2.	22 Feb 2020	Entrepreneurship	Mr. Kushgra Singh	58	1 Hours

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	Amount of support (REMARK)
--------	-----------------	-----	--	-----------------------------------	----------------------------

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

1.	Dr. Ashish Kumar	COPPK1574Q	4th International Conference on Innovative Advancements in Engineering & Technology	Nil	1500/-
----	------------------	------------	---	-----	--------

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

S No	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)
1		Recent Trends of Embedded Sysytem		1 july to 7 July 2019		7 (off line mode)
2		Training on Virtual lab		10 April to 15 2020		9 (on line)

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)
38	ICT Based STC program on "Digital Systems Design "	28th January – 1st February, 2019

https://drive.google.com/file/d/1DXzDgLG9uSJTj_IDINPKDfnWLPuYnwjZ/view?usp=sharing

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

Name of the non-government funding agencies/individuals	Funds/Grants received in Rs.	Initiative
Optical Society of America	85400/-	For OSA Student Chapter



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

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

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.	5 March 2020	Interview Skills	Mr. Akshay Sharma	90	1 Hours
2.	22 Feb 2020	Entrepreneurship	Mr. Kushgra Singh	58	1 Hours

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	Workshop on IOT enabled energy efficient Systems	2019-20	56	56
2	Workshop on Applications of Machine Learning With PYTHON	2019-20	50	50
3	Workshop on Ethical Hacking	2019-20	154	154

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/1YMX8irViMeqjIRH4lqPU6OIBPQh2ADxo/view?usp=sharing				

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

<https://drive.google.com/file/d/11JENRoPKRgcmEYyDWGuTGD8Y0u1dHAgZ/view?usp=sharing>

61. Details of the final year project:

Total - 63 Projects

In House – 57 Projects

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

Industry – 06 Projects

<https://drive.google.com/file/d/1Cf-kW2x64lYxsPhZovemMeyFjMMshk4/view?usp=sharing>

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




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

- Machine Learning
- Artificial Intelligence
- Cyber Security
- Social Media, Mobility, Analytics and 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. Dr. Vinita Mathur 
(Associate Professor, ECE)

Verified By: Dr. Prerak Bhardwaj 
(HOD Electrical Engineering)

Head
Elec
JL

Department
Shri Ram Ki Nangal
Jaipur


Head of Department
(Electronics & Communication Engineering)

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur



PRINCIPAL
Jaipur Engineering College &
Research Centre
Tonk Road, Jaipur