



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

Department of Electronics and Communication Engineering

B. Tech. Major Project Allotment Report

Session 2024-25

Department of Electronics and Communication Engineering



JAIPUR ENGINEERING COLLEGE
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Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

8/2/24, 2:43 PM

JECRC Mail - Subject: Request for Project Title Suggestions and Industry-Aligned Ideas for Final Year Engineering Students



Vikas Sharma <vikassharma.ece@jecrc.ac.in>

Subject: Request for Project Title Suggestions and Industry-Aligned Ideas for Final Year Engineering Students

Vikas Sharma <vikassharma.ece@jecrc.ac.in>
To: ankuah@fidelitynetworks.net

Fri, Aug 2, 2024 at 2:07 PM

Dear Mr. Ankuah Sharma,

I hope this message finds you well. I am writing to you in my capacity as the Project Coordinator of the Electronics and Communication Engineering Department.

As we prepare for the upcoming academic session, we are seeking your valuable expertise in identifying innovative and industry-relevant project titles and ideas that our final year students can undertake. Your insights will be instrumental in guiding our students toward practical, meaningful work that addresses current technological trends and industry needs.

To ensure our projects align with professional standards, our department employs a structured rubric in the project selection and evaluation process. This rubric emphasizes:

Relevance to real-world engineering problems and industry requirements

Creativity and feasibility of the proposed solution

Effective application of engineering fundamentals and modern tools

Consideration of societal, ethical, and sustainability aspects

Quality of teamwork, communication, and technical documentation

We actively incorporate feedback and suggestions from esteemed industry professionals like yourself, aiming to bridge the gap between academic learning and industry expectations.

We kindly request you to suggest a few potential project topics or areas that reflect current trends, challenges, or needs in your organization or the wider industry. Your guidance will help us prepare our students to contribute more effectively as future professionals.

Thank you very much for your continued support and collaboration. We look forward to your valuable inputs.

Best regards,

Dr. Girraj Sharma

Mr. Vikas Sharma

Project Coordinator, Department of Electronics and Communication Engineering

JECRC, Jaipur

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Academic year-2024-25

02/08, 2:43 PM

JEE RC Mail - Subject: Request for Project Title Suggestions and Industry-Aligned Ideas for Final Year Engineering Students



Vikas Sharma <vikassharma.eco@jeec.ac.in>

Subject: Request for Project Title Suggestions and Industry-Aligned Ideas for Final Year Engineering Students

Ankush Sharda <ankush@fidelitynetworks.net>
Reply-To: ankush@fidelitynetworks.net
To: Vikas Sharma <vikassharma.eco@jeec.ac.in>

Sat, Aug 2, 2025 at 12:40 PM

Dear Mr. Sharma,

I would like to thank you & team for reaching out to Fidelity Networks for sharing the detailed rubric and structured approach that your department uses for project title selection and evaluation. I truly appreciate the emphasis on aligning academic projects with industry requirements and the holistic criteria incorporated for effective learning and assessment. Based on current industry trends and practical challenges, I would like to suggest the following project titles for your final year students:

1. Autonomous Cleaning Device
2. Crop Health Monitoring System using Deep Learning
3. Homeoid Robot with Walking, Balancing, and Speech Interaction Capabilities
4. IoT-based Medicine Alert and Dispenser

These topics are aligned with emerging technologies and have significant potential for innovation and real-world application.

I am glad to see the collaborative efforts between your department and industry professionals to bridge the gap between education and practical requirements. Please feel free to reach out for any further suggestions or support in mentoring the students for these projects.

Apart from the major projects listed above, your students can also investigate on the below optional areas such as :-

LIDAR / LIFI based projects

RADAR based projects

Free Space Optics based communication technologies

LORA based IOT products

Looking forward towards a continued & lasting association.

Best Wishes to your Students,

Regards

Ankush Sharda
Founder
Fidelity Networks
Jaipur Rajasthan

+91-9910110155

(Contact Not to Share)





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Jaipur Engineering college and research centre,
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302022.

Academic year-2024-25

To
The IQAC Office,
JECRC, Jaipur

Subject: Submission of Project Titles for Verification and Suggestions in session 20024-25.

Dear Sir/Madam,

The Department of Electronics and Communication Engineering is pleased to inform you that a list of proposed project titles has been finalized for the current academic year 2024-25. This list has been prepared with **valuable inputs from our students** as well as suggestions and guidance from respected **industry resource persons**, ensuring relevance to both academic and industry standards.

We kindly request the IQAC to review the enclosed list of proposed project titles and provide any corrections or suggestions deemed necessary. Your feedback will ensure the quality, suitability, and alignment of our projects with institutional and accreditation requirements.

Once we receive your observations and incorporate any suggested modifications, the final list will be circulated among the students for their selection and further project planning.

Kindly acknowledge the receipt of this communication and inform us regarding the next steps.


Thank you for your support and cooperation.

Enclosure: Proposed Project Titles List

Regards,

Project Coordinator
ECE, JECRC

HoD, ECE
JECRC

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B.Tech. Major Project Guidelines

Stage 1: Formation of Groups.

- Each class section is divided into four batches according to the student's past academic performance.
- This batch-wise list will be shared with you.
- A group of four students is to be formed by selecting one student from each batch.
- Students will mutually discuss with each other about common interests and form their groups.

Note: Two students from the same batch cannot be in the same group in any circumstance.

- For section A, groups will be named as A₁, A₂... For section B, groups will be named as B₁, B₂...and for section C, groups will be named as C₁, C₂...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 fields of expertise and major project interests will be shared with you.
- Each group will select 3 choices of supervisors from the list according to their field of expertise.

A Google sheet will be shared in which the group formation and choices of supervisors will be filled by the students.


The last date to lock the choices is **24 January 2025**.

Stage 3: Assignment of Supervisor/Project Guide to Each Group

- After mutual discussion with the faculty members, the project coordinators and HOD will assign the supervisor to each group.
- Students will be notified about their project supervisor by **30 January 2025**.

Stage 4: Submission of the Synopsis Report.

- After allotment of supervisor, each group will submit a synopsis report (hard copy duly signed by the supervisor).
- A synopsis report is a two-page report which briefly describes and outlines the proposed project idea.
- **Only hardware projects will be considered. In case of outstanding scope/work, software projects may be considered but they should be validated with high-quality publication.**
- Major project proposal (synopsis) structure:

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Major Project proposal should be prepared in consultation with the guide. It should clearly state the objectives and environment of the proposed project. Ensure to include the following items

1. Title of the project
2. Introduction and objective of the project in brief
3. Analysis (Feasibility Study etc)
4. Hardware and Software Requirements
5. Table and Structure, Number of Modules, Detail of Modules
6. Scope of future application

Stage 5: Synopsis Presentations

- Each group will present their idea about the project in the form of a 5-minute PowerPoint presentation. (Schedule will be notified, Venue: Project lab, BS-15)
- The project coordinators and project evaluation committee members will evaluate each project according to feasibility, future applications, social impact, and technological advancement.
- In this assessment, if the project is approved then each student group will submit the hardcopy of the synopsis report to the project coordinator duly signed by the project supervisor.
- If the project is not approved, then you have to submit another synopsis report until the project is approved by the committee of faculties, supervisor, and project coordinator.
- **After the approval of the project, students will fill in the information about group members, the name of the supervisor, and the project title in the Google form.**


The last date for submission of the synopsis report is **06 Feb. 2025**.

Stage 6 : Project Status Report (PSR) by Supervisor

- Each group will frequently meet with the project supervisor and describe the project status.
- The status report will be submitted in a format (attached in the appendix A) filled handwritten.
- This status report will be duly signed by the supervisor and will be attached to the final project report.
- Students are encouraged to build projects for social benefits.
- They will be encouraged to apply patent on their project and write a research paper. Project coordinators and supervisors will provide the necessary help.

Stage 7: Project Status Report (PSR) by Supervisor

- Students will continue meet to their respective project guide and inform them about the project progress work.
- Students will prepare same status report as in previous stage and they will be submit the hardcopy to the project coordinators.

 <p data-bbox="113 141 416 174">JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE</p>	<p data-bbox="496 24 1118 163">Jaipur Engineering college and research centre, Shri Ram ki Nangal, via Sitapura RIICO Jaipur- 302022.</p>	<p data-bbox="1155 62 1481 96">Academic year-2024-25</p>
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Stage 7: Project Status Report (PSR) by the respective project lab faculty

- The students will attend the project lab according to the time-table and perform their project work in the lab.

Students will maintain a Project Book Record during the project Lab

1. The Project Record Book constitutes the Bonafide record of project work carried out by undergraduate research students Institute.
2. The book contains day to day record of all conceptual, analytical, laboratory and computational activities carried out by a student as a part of his project.
3. It is a permanent record of academic activity and contains intellectual property created by the student and his supervisor.
4. The student should record all his thoughts, observations, flow charts, computational steps etc., directly on this notebook.
5. The student must produce this record book before all Examination Boards for evaluation and grading of his day to day performance. The first evaluation of the project will be made basing on the record book only.

- The respective project lab faculty will evaluate the performance of each student on the basis of attendance, performance and project book record and submit the assessment report to the project coordinators.

Stage 8: Submission of the Project Report

- Each group will prepare the project report according to the guidelines (attached in appendix B)
- First, the draft copy of the report in the spiral binding will be checked by the project supervisors.
- Once the supervisor approved the report, students will submit the final project report in the hard bound.

Stage 9: Internal Assessment

- An internal major project exam will be conducted. Each student will explain his/her role in the project contribution.
- The performance of each student will be evaluated by conducting the viva-voce and quiz.
- Student will bring the draft copy of the report and their hardware project.
- The group performance will be evaluated by the demo of the project and quality of the project report.



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Academic year-2024-25

Stage 10: External Exam

- Student will bring the hardware project and hard bound report.
- External viva-voce will be conducted by external examiner
- Final evaluation will be done taking in to account the social benefits of the project, any patent applied and any research paper is presented at any conference.

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Dr. Sandeep Vyas
HoD-ECE



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Academic year-2024-25

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

Notice

Jan, 04, 2025

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 Jan. 18, 2025 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 detailed project guidelines are attached.

Dr. Girraj Sharma

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Dr. Sandeep Vyas



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Academic year-2024-25

Mr. Vikas Sharma
Project Coordinator

HoD-ECE

JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER, JAIPUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of specialization of Faculty Member for Major Project of B. Tech. Session 2024-25

S.No	Name of Faculty	Area of Expertise
1	Dr. Sandeep Vyas	Nonlinear optics
2	Dr. S. S Manakatala	1. software programming in c/CPP/java 2.vlsi circuit design using VHDL, python programming
3	Dr. Parul Tyagi	Wireless Network
4	Dr. Girraj sharma	Wireless communication, Sensor network, Machine Learning, Artificial Intelligence, Embedded system
5	Ms. Ritu Vyas	1.wireless communication 2.Optical fiber communication
6	Mr. Vikas Sharma	Optical Communication/Photonic Crystal
7	Mr. Ashish Kulshrestha	wireless communication
8	Mr. Raj Kumar Jain	power system
9	Mr. Mangi Lal	Digital Communication
10	Mr. Honey Agarwal	VHDL
11	Mr. Rakesh Kardam	digital communication
12	Mr. Devendra Sharma	POWER SYSTEM
13	Mr. Lokesh Kumar Sharma	Microcontroller
14	Dr. Ashish Sharma	Signal Processing. AI, Neural Networks and Machine learning, Deep Learning
15	Mr. Deepak Shankla	VHDL and MATLAB
16	Ms. Yazusha Sharma	Optical communication/pcf sensor/photonic crystal fiber
17	Ms. Deepmala Kulshrestha	Digital Communication
18	Ms.Mamta Rani	Digital communication
19	Jai Prakash Mishra	Embedded System & Microcontroller
20	Mr. Sudarshan Jain	Optics, Antenna design
21	Ms. Bhavna Kalra	Antenna, Optical, Embedded
22	Ms. Vipra Bohra	Antenna, Digital communication
23	Ms. Sweta Sharda	Image and Video processing, Computer Vision, Machine Learning



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Academic year-2024-25

Supervisor Allotment:

Jaipur Engineering College & Research Center, Jaipur			
Department of Electronics & Communication Engineering			
VIII semester Major Project Allotment 2024-25			
Section A			
Project Group No.	Student Name	RTU R. No.	Name of Supervisor
A1	Daksh Jain	21EJCEC035	Mr. Raj Kumar Jain
	Daksh	21EJCEC034	
	Chinmay Wadhwa	21EJCEC033	
	Devang Goyal	21EJCEC038	
A2	Bhawinee Todi	21EJCEC031	Dr. Sudarshan Jain
	Aagam Jain	21EJCEC001	
	Aamir Umar	21EJCEC002	
	Amit Kataria	21EJCEC019	
A3	Gulshan Kumar sharma	21EJCEC049	Dr. S.S Manakatala
	Kapil nirwan	21EJCEC063	
	Deepanshu talukdar	21EJCEC037	
	Harshit Agarwal	21EJCEC053	
A4	Isha Gupta	21EJCEC058	Ms. Mamta Rani
	Ishika Agarwal	21EJCEC059	
	Lokesh kumar sukhwal	21EJCEC075	
	Akshat Jain	21EJCEC013	
A5	Astha jha	21EJCEC027	Mr. Vikas sharma
	Dikshika agarwal	21EJCEC039	
	Anupam Sharma	21EJCEC026	
	Anshul soni	21EJCEC025	
A6	Harshita Moud	21EJCEC055	Dr. Girraj Sharma
	Lakshita Jain	21EJCEC073	
	Akshay Anchliya	21EJCEC015	
	Anil Kumar Agrawal	21EJCEC023	
A7	Kanchan Agrawal	21EJCEC061	Mr. Bhoopesh Kumawat
	Anish Jain	21EJCEC024	
	Aman Garg	21EJCEC016	
	Aayush Gupta	21EJCEC004	



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302022.

Academic year-2024-25

A8	Jaya Gokhlani	21EJCEC060	Dr. S. K. Singh
	Abhishek Choithani	21EJCEC005	
	Akshat Rao	21EJCEC014	
	Ayushman Sikarwar	21EJCEC030	
A9	Khusboo Jain	21EJCEC068	Dr. Jai prakash Mishra
	Gunjan Agarwal	21EJCEC050	
	Harshit verma	21EJCEC054	
	Aman Somvanshi	21EJCEC018	
A10	Avpreet Kaur	21EJCEC028	Dr. Sudarshan Jain
	Khush Goyal	21EJCEC066	
	Happy Baberia	21EJCEC051	
	Chetan Kumar Gupta	21EJCEC032	
A11	Divyanshu Chittora	21EJCEC044	Mr. Ashish Kulshrestha
	Aditya Choudhary	21EJCEC008	
	Kuldeep Latta	21EJCEC071	
	Ayush Jain	21EJCEC029	
A12	Khushal Nirwan	21EJCEC067	Mr. Ashish Kulshrestha
	Donesh Mittal	21EJCEC045	
	Lalit jindal	21EJCEC074	
A13	Kishu Jain	21EJCEC069	Mr. Deepak Sankhla
	Dipanshu Dhawan	21EJCEC040	
	Gagan Goyal	21EJCEC047	
	Aditya Bhardwaj	21EJCEC007	
A14	Ananya Jaiswal	21EJCEC020	Mr. Vikash Sharma
	Aayu	21EJCEC003	
	Vaibhav sindhav	21EJCEC134	
	Himanshu Sharma	21EJCEC056	
	Varuna Sharma	21EJCEC137	
	Ajay bhinchar	21EJCEC011	
	Aman sharma	21EJCEC017	



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Academic year-2024-25

Jaipur Engineering College & Research Center, Jaipur			
Department of Electronics & Communication Engineering			
VIII semester Major Project Allotment 2024-25			
Section B			
Project Group No.	Student Name	RTU R. No.	Name Of Supervisor
B1	Tanisha sharma	21EJCEC124	Dr. Sandeep Vyas
	Navisha Singh	21EJCEC091	
	tejasvi ola	21EJCEC129	
	Sanskar Rakhawat	21EJCEC114	
B2	Adarsh Srivastav	22EJCEC200	Mr.Rajkumar Jain
	Udit baistha	21EJCEC131	
	Mayank Agarwal	21EJCEC078	
	Mohit Sharma	21EJCEC085	
B3	Vani Jindal	21EJCEC136	Ms. Bhawna Kalra
	Vinal Gahlot	21EJCEC138	
	Vaibhav Sharma	21EJCEC133	
	Vaibhav Upadhyay	21EJCEC135	
B4	Muskan Garg	21EJCEC087	Mr. Devendra Sharma
	Mirza Talib	21EJCEC082	
	Pawan Kumar	21EJCEC096	
	Mihir Agarwal	21EJCEC080	
B5	Muskan Mathur	21EJCEC088	Mr. Bhoopesh Kumawat
	Neha	21EJCEC092	
	Parth Methi	21EJCEC095	
	Naman Grover	21EJCEC089	
B6	Prakhar Singh Chauhan	21EJCEC101	Ms. Vipra Bohra
	Piyush Khandelwal	21EJCEC098	
	Piyush Methi	21EJCEC099	
	Naman Saxena	21EJCEC090	
B7	Slok Ginodia	21EJCEC123	Dr. Girraj sharma
	Shreya Maheshwari	21EJCEC117	
	Tushar Saini	21EJCEC130	
	Sagar Jangid	21EJCEC110	
B8	Mankesh Kumar	21EJCEC077	Ms. Ritu Vyas
	Tanishq Sharma	21EJCEC126	



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Academic year-2024-25

	Prateek Aggarwal	21EJCEC103	
	Paras Gopal Jamdagni	21EJCEC094	
B9	Siddhi Jain	21EJCEC122	Ms. Ritambhara
	Sanchali Khandelwal	21EJCEC113	
	Tarun Gupta	21EJCEC128	
	Samayak Goswami	21EJCEC112	
B10	SHUBHAM SHARMA	21EJCEC120	Ms. Bhawna Kalra
	SATYAVEER SINGH	21EJCEC115	
	SIDDHARTH SHARMA	21EJCEC121	
	SHREYA SHARMA	21EJCEC119	
B11	Yash Khandal	21EJCEC140	Mr. Mangilal
	Rohit Saini	21EJCEC109	
	Palak bansal	21EJCEC093	
	Shreya Sharma	21EJCEC118	
B12	Priyanshi khandelwal	21EJCEC104	Dr. Vinita Mathur
	Tanya Moolchandani	21EJCEC127	
	Ravi Singhal	21EJCEC108	
	Mohammad bohra	21EJCEC083	
B13	Yojna Dadani	21EJCEC143	Dr. Parul Tyagi
	Tanishk Kumawat	21EJCEC125	
	Vaibhav agarwal	21EJCEC132	
	Samarth pathak	21EJCEC111	
B14	Meghal Mittal	21EJCEC079	Mr. Lokesh Sharma
	Piyush Khetan	21EJCEC097	
	Yash Soni	21EJCEC141	
	Yashpal Yadav	21EJCEC142	



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

Feb, 09, 2025

Synopsis Presentation

It is hereby informed that the formation of the groups and selection of project guide has been done. A project guide has been assigned to each group. In the next stage you need to submit a synopsis report to the project guide. The guidelines to prepare the synopsis report can be found in the attached project guideline file. Please submit the hardcopy of the synopsis report to your project supervisor. After this, prepare a PowerPoint presentation (maximum 10 slides) to briefly describe your project idea.

Each group will present their project idea in the form of a PPT presentation to the project evaluation committee. The Committee will evaluate the performance and approve the project for the next stage. The schedule of each group is attached herewith.

The last date for submission of the synopsis report is 16 Feb. 2025

Dr. Girraj Sharma
Mr. Vikas Sharma
Project Coordinator

Head of the Department
Electronics & Communication Engineering
JECRC, Jaipur

Dr. Sandeep Vyas
HoD-ECE



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Academic year-2024-25

Schedule of the Final Presentation:

**Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
Schedule of Final Presentation of Major Project 2024-25**

S. No.	GRP.	Names of Authors	Paper Title	Supervisor Name	Session Chair	Venue	Time
1	A1	Daksh Jain	GestureMind - An AI Powered Sign Language & Emotion Detection System -- (Merged with Group B2)	Mr. Raj Kumar Jain	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Daksh					
		Chinmay Wadhwa					
		Devang Goyal					
2	A2	Bhawinee Todi	IoT-based pothole detection and alerting system using ultrasonic sensors	Dr. Sudarshan Jain	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Aagam Jain					
		Aamir Umar					
		Amit Kataria					
3	A3	Gulshan Kumar sharma	SecureNest: Home fingerprint security system embedded with IOT based home automation	Dr. S.S Manakatala	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Kapil nirwan					
		Deepanshu talukdar					
		Harshit Agarwal					
4	A4	Isha Gupta	Women safety night patrolling robot	Ms. Mamta Rani	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Ishika Agarwal					
		Lokesh kumar sukhwal					
		Akshat Jain					
5	A5	Astha jha	Web and IoT based Home automation system	Mr. Vikas sharma	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Dikshika agarwal					
		Anupam Sharma					
		Anshul soni					



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Academic year-2024-25

6	A6	Harshita Moud	Smart Home Automation system	Dr. Girraj Sharma	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Lakshita Jain					
		Akshay Anchliya					
		Anil Kumar Agrawal					
7	A7	Kanchan Agrawal	Intelligent Medicine Monitoring And Smart Refill Alerts System	Mr. Bhoopesh Kumawat	Dr. Sudarshan Jain Mr. Ashish Kulshrestha	CP - 12 Ground Floor	10.30 am - 12.30 am
		Anish Jain					
		Aman Garg					
		Aayush Gupta					

Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
Schedule of Final Presentation of Major Project 2024-25

S. No.	Group	Names of Authors	Paper Title	Supervisor Name	Session Chair	Venue	Time
8	A8	Jaya Gokhlani	Smart Attendance System	Dr. S. K. Singh	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Abhishek Choithani					
		Akshat Rao					
		Ayushman Sikarwar					
9	A9	Khusboo Jain	V2V2G (A Smart energy sharing system between electric vehicles and home utility grid) Vehicle to vehicle to home	Dr. Jai prakash Mishra	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Gunjan Agarwal					
		Harshit verma					
		Aman Somvanshi					
10	A10	Avpreet Kaur	Personal Safety Device for emergency	Dr. Sudarshan Jain	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Khush Goyal					
		Happy Baberia					
		Chetan Kumar Gupta					
11	A11	Divyanshu Chittora	Arduino Based Robotic Arm	Mr. Ashish Kulshrestha	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Aditya Choudhary					
		Kuldeep Latta					
		Ayush Jain					
12	A12	Khushal Nirwan	Automatic Floor Cleaning Robot	Mr. Ashish Kulshrestha	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Donesh Mittal					
		Lalit jindal					



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

13	A13	Kishu Jain	IOT based Medicine Alert and Dispenser	Mr. Deepak Sankhla	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Dipanshu Dhawan					
		Gagan Goyal					
		Aditya Bhardwaj					
14	A14	Ananya Jaiswal	Autonomous cleaning robot	Mr. Vikash Sharma	Dr. Girraj Sharma Ms. Mamta Rani	CP - 12 Ground Floor	01.00 pm - 03.00 pm
		Aayu					
		Vaibhav sindhav					
		Himanshu Sharma					
		Varuna Sharma					
		Ajay bhinchar					
		Aman sharma					

**Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
Schedule of Final Presentation of Major Project 2024-25**

S. No.	Group	Names of Authors	Paper Title	Supervisor Name	Session Chair	Venue	Time
1	B1	Tanisha sharma	Crop Health Monitoring System using Deep Learning	Dr. Sandeep Vyas	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Navisha Singh					
		tejasvi ola					
		Sanskar Rakhawat					
2	B2	Adarsh Srivastav	GestureMind - An AI Powered Sign Language & Emotion Detection System (Merged with Group A1)	Mr.Rajkumar Jain	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Udit baistha					
		Mayank Agarwal					
		Mohit Sharma					
3	B3	Vani Jindal	Solar Floor Wiper Robot	Ms. Bhawna Kalra	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Vinal Gahlot					
		Vaibhav Sharma					
		Vaibhav Upadhyay					
4	B4	Muskan Garg	IOT Virtual health Robot	Mr. Devendra Sharma	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Mirza Talib					
		Pawan Kumar					
		Mihir Agarwal					
5	B5	Muskan Mathur	FDM 3D Printer	Mr. Bhoopesh Kumawat	Dr. J. P. Mishra		10.30 am -



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

		Neha			Ms. Bhawana Kalra	CP - 15 Second Floor	12.30 am
		Parth Methi					
		Naman Grover					
6	B6	Prakhar Singh Chauhan	Smart Cradle System	Ms. Vipra Bohra	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Piyush Khandelwal					
		Piyush Methi					
		Naman Saxena					
7	B7	Slok Ginodia	IOT Based Smart Lock With RFID (Smart Card)	Dr. Girraj sharma	Dr. J. P. Mishra Ms. Bhawana Kalra	CP - 15 Second Floor	10.30 am - 12.30 am
		Shreya Maheshwari					
		Tushar Saini					
		Sagar Jangid					

**Jaipur Engineering College & Research Center, Jaipur
Department of Electronics & Communication Engineering
Schedule of Final Presentation of Major Project 2024-25**

S. No.	Group	Names of Authors	Paper Title	Supervisor Name	Session Chair	Venue	Time
8	B8	Mankesh Kumar	IoT-Driven Smart Flood Drainage System	Ms. Ritu Vyas	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Tanishq Sharma					
		Prateek Aggarwal					
		Paras Gopal Jamdagni					
9	B9	Siddhi Jain		Ms. Ritambhara	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Sanchali Khandelwal					
		Tarun Gupta					
		Samayak Goswami					
10	B10	SHUBHAM SHARMA	Portable water cooler	Ms. Bhawna Kalra	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		SATYA VEER SINGH					
		SIDDHARTH SHARMA					
		SHREYA SHARMA					
11	B11	Yash Khandal	Humanoid Robot with Walking, Balancing, and Speech Interaction Capabilities	Mr. Mangilal	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Rohit Saini					
		Palak bansal					
		Shreya Sharma					



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

12	B12	Priyanshi khandelwal	Design of Slotted Microstrip Patch Antenna for ultra wide band Applications	Dr. Vinita Mathur	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Tanya Moolchandani					
		Ravi Singhal					
		Mohammad bohra					
13	B13	Yojna Dadani	Smart Agriculture Monitory System	Dr. Parul Tyagi	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Tanishk Kumawat					
		Vaibhav agarwal					
		Samarth pathak					
14	B14	Meghal Mittal		Mr. Lokesh Sharma	Mr. Bhoopesh Mr. Ashish Kr. Sharma	CP - 15 Second Floor	01.00 pm - 03.00 pm
		Piyush Khetan					
		Yash Soni					
		Yashpal Yadav					



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

Jaipur Engineering College & Research Center, Jaipur					
Department of Electronics & Communication Engineering					
Major Project Title and category 2025					
S. No.	Group	Names of Authors	Title of the Project	Category of the project (software/ Hardware/ both hardware and software)	Key technology of the project (e.g. machine learning, IOT, Antenna, Embedded etc.)
1	A1	Daksh Jain	GestureMind - An AI Powered Sign Language & Emotion Detection System -- (Merged with Group B2)	Both	AI, Computer Vision, Machine Learning
		Daksh			
		Chinmay Wadhwa			
		Devang Goyal			
2	A2	Bhawinee Todi	IoT-based pothole detection and alerting system using ultrasonic sensors	Both	IoT, Embedded Systems, Sensors
		Aagam Jain			
		Aamir Umar			
		Amit Kataria			
3	A3	Gulshan Kumar sharma	SecureNest: Home fingerprint security system embedded with IOT based home automation	Both	IoT, Embedded Systems, Biometrics
		Kapil nirwan			
		Deepanshu talukdar			
		Harshit Agarwal			
4	A4	Isha Gupta	Women safety night patrolling robot	Hardware	Robotics, Embedded Systems
		Ishika Agarwal			
		Lokesh kumar sukhwal			
		Akshat Jain			
5	A5	Astha jha	Web and IoT based Home automation system	Both	IoT, Web Development
		Dikshika agarwal			
		Anupam Sharma			



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Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

		Anshul soni			
6	A6	Harshita Moud Lakshita Jain Akshay Anchliya Anil Kumar Agrawal	Smart Home Automation system	Both	IoT, Embedded Systems
7	A7	Kanchan Agrawal Anish Jain Aman Garg Aayush Gupta	Intelligent Medicine Monitoring And Smart Refill Alerts System	Both	IoT, Embedded Systems
8	A8	Jaya Gokhlani Abhishek Choithani Akshat Rao Ayushman Sikarwar	Smart Attendance System	Both	Face Recognition, AI
9	A9	Khusboo Jain Gunjan Agarwal Harshit verma Aman Somvanshi	V2V2G (A Smart energy sharing system between electric vehicles and home utility grid) Vehicle to vehicle to home	Both	Embedded Systems, Power Electronics
10	A10	Avpreet Kaur Khush Goyal Happy Baberia Chetan Kumar Gupta	Personal Safety Device for emergency	Hardware	Embedded Systems
11	A11	Divyanshu Chittora Aditya Choudhary Kuldeep Latta Ayush Jain	Arduino Based Robotic Arm	Hardware	Robotics, Embedded Systems
12	A12	Khushal Nirwan Donesh Mittal Lalit jindal	Automatic Floor Cleaning Robot	Hardware	Robotics
13	A13	Kishu Jain Dipanshu Dhawan Gagan Goyal Aditya Bhardwaj	IOT based Medicine Alert and Dispenser	Both	IoT, Embedded Systems
14	A14	Ananya Jaiswal Aayu Vaibhav sindhav Himanshu Sharma Varuna Sharma	Autonomous cleaning robot	Hardware	Robotics



JAIPUR ENGINEERING COLLEGE
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Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

		Ajay bhinchar			
		Aman sharma			
1	B1	Tanisha sharma	Crop Health Monitoring System using Deep Learning	Software	Machine Learning, Image Processing
		Navisha Singh			
		tejasvi ola			
		Sanskar Rakhawat			
2	B2	Adarsh Srivastav	GestureMind - An AI Powered Sign Language & Emotion Detection System (Merged with Group A1)	Both	AI, Computer Vision
		Udit baistha			
		Mayank Agarwal			
		Mohit Sharma			
3	B3	Vani Jindal	Solar Floor Wiper Robot	Hardware	Embedded Systems, Renewable Energy
		Vinal Gahlot			
		Vaibhav Sharma			
		Vaibhav Upadhyay			
4	B4	Muskan Garg	IOT Virtual health Robot	Both	IoT, Embedded Systems, AI
		Mirza Talib			
		Pawan Kumar			
		Mihir Agarwal			
5	B5	Muskan Mathur	FDM 3D Printer	Hardware	Additive Manufacturing
		Neha			
		Parth Methi			
		Naman Grover			
6	B6	Prakhar Singh Chauhan	Smart Cradle System	Both	IoT, Embedded Systems
		Piyush Khandelwal			
		Piyush Methi			
		Naman Saxena			
7	B7	Slok Ginodia	IOT Based Smart Lock With RFID (Smart Card)	Both	IoT, RFID
		Shreya Maheshwari			
		Tushar Saini			
		Sagar Jangid			
8	B8	Mankesh Kumar	IoT-Driven Smart Flood Drainage System	Both	IoT, Embedded Systems
		Tanishq Sharma			
		Prateek Aggarwal			
		Paras Gopal Jamdagni			
10	B10	SHUBHAM SHARMA	Portable water cooler	Hardware	Thermal Systems, Embedded Systems



JAIPUR ENGINEERING COLLEGE
AND RESEARCH CENTRE

Jaipur Engineering college and research centre,
Shri Ram ki Nangal, via Sitapura RIICO Jaipur-
302022.

Academic year-2024-25

		SATYAVEER SINGH			
		SIDDHARTH SHARMA			
		SHREYA SHARMA			
11	B11	Yash Khandal	Humanoid Robot with Walking, Balancing, and Speech Interaction Capabilities	Hardware	Robotics, Speech Recognition
		Rohit Saini			
		Palak bansal			
		Shreya Sharma			
12	B12	Priyanshi khandelwal	Design of Slotted Microstrip Patch Antenna for ultra wide band Applications	Hardware	RF/Microwave Engineering
		Tanya Moolchandani			
		Ravi Singhal			
		Mohammad bohra			
13	B13	Yojna Dadani	Smart Agriculture Monitory System	Both	IoT, Sensors
		Tanishk Kumawat			
		Vaibhav agarwal			
		Samarth pathak			