



Inside this issue:

- Invited Talks
- Student placements
- Achievements
- Happenings at the department

ABOUT THE DEPARTMENT

VISION

Global leadership and excellence in academics and research in electronics and communication engineering.

MISSION

- To deliver a competitive academic curriculum for intellectual growth and Multi-disciplinary skill acquisition.
- Promoting quality education, scientific awareness for future endeavors in higher education and career in electronics and communication industry.
- To cater to the need of promoting leadership and professionalism with human values

The Department of Electronics & Communication Engineering (ECE) at Manipal University Jaipur provides best learning environment for imparting scientific knowledge to develop practical design engineers. Keeping pace with latest technological trends and expectations of society, the department has adapted itself with continuous involvement of its stakeholders. The faculty at ECE always motivate and nurture students' inclination towards research and development with access to sophisticated PCB prototyping machine and latest software for publications in conferences and Journals of repute. The department offers 2 Undergraduate programs in Electronics and Communication Engineering and Electronics Engineering (VLSI Design & Technology); 1 Postgraduate program in VLSI and Embedded System Design and Doctorate program. The well-equipped laboratories and resourceful library at MUJ constitute the best info-oriented junction for the students.

The flexible curriculum at MUJ offers a diversified course bucket to pursue students' interest in communication systems, semiconductor and optical devices, electronic circuits, together with assembly languages, programming languages, and embedded systems, thereby opening gates to interdisciplinary growth with a wide choice of career options to pursue their interest. The ECE graduates have been spread successfully in software as well as hardware industry.

INVITED TALKS

MANIPAL UNIVERSITY JAIPUR
(University under Section 22 of the UGC Act)

OPTICA | Manipal University Jaipur Student Chapter
Advancing Optics and Photonics Worldwide

INTERNATIONAL GUEST LECTURE
METAPLASMONICS FOR SUPERLOCALIZED BIOSENSING AND IMAGING APPLICATIONS
BY - PROF DONGHYUN KIM (YONSEI UNIVERSITY, SEOUL)

Organised by:
Department of Electronics and Communication

Supported by: OPTICA and Directorates of i) Quality & Compliance
ii) International Collaborations and iii) Students Welfare

DATE
MONDAY
21 APRIL, 2025
10:30 AM-12:00 NOON

VENUE
ROOM NO.- 307
3RD FLOOR, AB-1

OPTICA
Advancing Optics and Photonics Worldwide

Online Webinar on
Importance of Quality
in
SATELLITE
NAVIGATION

Guest Speaker:
Dr. MANISH SAXENA
(Director, Satellite and Navigation
ISRO Headquarters)

18th APR, 2025
05.00 PM

SCAN TO JOIN

Online Webinar On
BASICS OF
TOTAL QUALITY MANAGEMENT

Total Quality Management (TQM):
The Engine of Continuous Success

16th June, 2025
11:00 A.M. IST
Online

Mr. Divyanshu Srivastava
Head TQM, Tata Steel

SCAN TO REGISTER FOR FREE!!

Industry Talk on
"Different Numerical Methods and How they are implemented in
TaraNG Electromagnetics Simulation Tool"

DATE: 4 APRIL 2025
TIME: 2:00 PM - 3:00 PM

Mr. Swpanil Gaul
Founder and Director
Numergion Technology
(OPC) Private Limited

JOINING LINK AND QR CODE
[HTTPS://MEET.GOOGLE.COM/ENU-WEGW-JRK](https://meet.google.com/ENU-WEGW-JRK)

ORGANIZERS
IEEE APS SBC DEPARTMENT OF ECE, MANIPAL UNIVERSITY JAIPUR
IN ASSOCIATION WITH IEEE APS-JAIPUR CHAPTER

All the student clubs organized a variety of talks for the overall growth of the students and make them aware of industry trends and recent research going on in different industries.

Industry Lectures

Department of ECE, continued its practice of organizing curriculum-based industry lectures for the students. These curriculum -based industry lectures are important for engineering students because they help bridge the gap between theory and practice and provide students with valuable real-world experience. Students can learn from the experiences and practical knowledge of industry leaders and with the connect they can get career guidance and mentorship from industry people for enhanced employability and career advancement prospects. The following experts taught students and guided them:

NAME OF EXPERT	INDUSTRY
Dr Dipesh Panchal	eInfochips, Ahmedabad
Dr Jignesh Patoliya	eInfochips Ltd, Ahmedabad
Mr Ankur Sangal	HCL Technologies, Noida
Mr Sandeep Bansal	Renesas Electronics, Noida
Dr Hemal Shah	eInfochips Ltd, Ahmedabad
Dr Anuj Kumar Ojha	VVDN Technologies
Mr Swpanil Gaul	Numergion Technology

STUDENT PLACEMENTS



MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Bhavya Verma
B.Tech. ECE
Batch: 2021-2025

For getting placement in
"SoCTeamup
Semiconductors Pvt Ltd"

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Raju Yadav
B.Tech. ECE
Batch: 2021-2025

For getting placement in
"SoCTeamup
Semiconductors Pvt Ltd"

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

RIDHI JAIN
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Calix'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Shreyas Samar Shukla
B.Tech. ECE
Batch: 2021-2025

For getting placement in
"GE HealthCare"

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

NUPUR PALAV
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'TVS Motor'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

ISHAN BHARDWAJ
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Infosys'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

SUDHANSHU MISHRA
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'ThoughtClan
Technologies Pvt. Ltd.'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

JATIN RAWTANI
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'PwC SDC Kolkata
Private limited'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

VANSH BHANSALI
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Vicharak'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

KAMNI KUMARI
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Teachnook'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Kunal Gupta
B.Tech. ECE
Batch: 2021-2025

For getting placement in
"GE HealthCare"

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

SAUMYA SHAH
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Micron'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

SHAIKH KHAIRUL ALAM
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Rapid Quest'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

SIMRAN KUMARI
B.Tech. ECE
Batch: 2020-2024

For getting placement in
'Celebal Technologies
Private Limited'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Pankhuri Prakash
B.Tech. ECE
Batch: 2021-2025

For getting placement in
'Suzuki'

MANIPAL UNIVERSITY
JAIPUR
Department of Electronics and Communication Engineering

Congratulates

Praveer Achra
B.Tech. ECE
Batch: 2021-2025

For getting placement in
'Suzuki'

Editorial Team

Dr Neha Singh. Dr Ankur Saharia

ACHIEVEMENTS



DRDO Funded LAB



MUJ proudly announces the inauguration of the MUJ-NLO+ Lab, funded by the Defence Research and Development Organisation (DRDO)! The lab is officially inaugurated and the project reviewed by Shri Mangal Lal Chand, Director General of Technology Management at DRDO Headquarters, New Delhi. This milestone marks a significant step in advancing research and innovation at Manipal University Jaipur, in collaboration with national defence research initiatives.



Department of ECE, MUJ, extends heartfelt congratulations to KATYAYANI CHAUHAN on the successful defense of her Ph.D. research under the supervision of Dr. Deepika Bansal.

We also express our sincere thanks to Rajeevan Chandel (Nee Pathania) for serving as the external examiner and for her valuable insights during the evaluation.



LEAF Lab, led by Prof Dinesh Bhalothia, marked a major milestone in green innovation by advancing several technologies to TRL 8 and 9, ready for industrial use. Focused on fuel cells, hydrogen production, and CO₂ conversion, these breakthroughs support India's National Green Hydrogen Mission and global SDGs. Backed by President Prof NN Sharma's vision, the lab exemplifies impactful, scalable clean energy research, reinforcing India's leadership in sustainable innovation and climate action.

Dean's Excellence Award!!



Congratulations to all our amazing students at Department of ECE, MUJ who received the Dean's Excellence Award this year!

MUJ Excellence Awardees 2024



Dr. Shilpi Birla



Dr. Amit Rathi



Dr. Neha Singh



Dr. Ankur Saharia

HAPPENINGS AT THE DEPARTMENT

Summer Internship Program on IC Design



Department of ECE, Manipal University Jaipur organized 1 month short term internship course on IC Design from 2 June 2025 to 30 June 2025. The event was organized in collaboration with SoCTeamup Semiconductors Pvt Ltd under the Chip to Startup (C2S) Program by MeitY, Government of India. This program offered hands-on exposure to VLSI & IC Design, equipping students with essential skills for the semiconductor industry. The event had participation from various parts of the country.

お世話になりました! Farewell -Class of 2025



Department of ECE, MUJ Manipal University Jaipur recently organized a heartwarming Farewell Ceremony to celebrate our graduating students. This event was not just a goodbye but a celebration of the wonderful memories, mixed emotions, accomplishments, and bonds built over the years. The students shared their memories of their journey of four years at Manipal University Jaipur. From participation in inter-a and intra-university events, mid-term exams to end-term exams, lectures by faculties and by industry experts, appreciations and hand-holding by faculty members were highlighted by the students.

New Club Announcement



Department of ECE introduced another student club for all the students in the university. This club is an initiative supported by the Indian Foundation for Quality Management (IFQM) and has Dr. Tejpal Jhajharia as the faculty advisor and Mr Soumil Hallan (229202045) as Student President of club at MUJ. We were honored to host Ankur Gandotra, Executive at IFQM, who delivered an inspiring session outlining the club's mission, vision, and strategic objectives. A series of talks have been organized under the banner of the club. Dr. Manish Saxena, Director of Satellite Navigation (SATNAV) at ISRO, delivered a talk on Satellite Navigation Technology and Quality Management on 18th April 2025. Most recently, Mr. Divyanshu Srivastava (Head TQM, Tata Steel) delivered an online talk on the Basics of Total Quality Management on 16th June 2025. The Quality Club aspires to be a vibrant platform where students can explore, learn, and implement quality practices empowering them with the skills and mindset to thrive in today's competitive landscape.

Student Chapters at ECE, MUJ





HAPPENINGS AT THE DEPARTMENT



Prof. Manish Tiwari visited Wisflux Tech Labs, Jaipur for a Roundtable Discussion on **From Engineers to Vibe Coders: Bridging Academia and Industry for Next-Gen AI-Enabled Creators**



Prof. Manish Tiwari was the Chief Guest at the inauguration of an FDP at Poornima College of Engineering, Jaipur. He also delivered a keynote on "AI in Telecom".

International Summer Schools

MANIPAL UNIVERSITY JAIPUR

Directorate of International Collaboration (DoIC)
International Summer School-2025 (ISSMUJ)

Course: 5G and Microstrip Antenna Technology
Name of Instructor: Dr. Amit Rath
Session: May-July 2025
Language of instruction: English
Number of contact hours: 35
Credit awarded: 03
Prerequisite: Basic knowledge of Science and Technology

Summer School Attractions:
• Explore tours (Jaipur City, Taj Mahal, Fatehpur Sikri)
• Accommodation (Twin sharing) based on availability
• *Schedule may change in case of any unforeseen circumstances

Syllabus
Objective of Course/Project:
1. Understand the measurement of antenna parameters and application of basic knowledge in antenna systems (theoretical and practical).
2. Gain the basic level knowledge of 5G you need to continue your research.
3. Provide a practical and mathematical basis for understanding the antenna system work.
4. Design and implement antenna using EM simulation tools.

Registration Link for participation: <https://forms.gle/9K8K8K8K8K8K8K8K>

Dr. Amit Rath
Associate Director, DoIC
Manipal University Jaipur

Dr. Sanku Singh
Associate Director, DoIC
Manipal University Jaipur

Dr. Dinesh Bhalothia
Associate Director, DoIC
Manipal University Jaipur

Dr. Akhilesh Kumar Yadav
Associate Director, DoIC
Manipal University Jaipur

Dr. Pranay Bhardwaj
Associate Director, DoIC
Manipal University Jaipur

Dr. Syed Sadique Anwar
Associate Director, DoIC
Manipal University Jaipur

Dr. Sumit Gupta
Associate Director, DoIC
Manipal University Jaipur

Dr. Basudha Dewen
Associate Director, DoIC
Manipal University Jaipur

Dr. Amisha Beniwal
Associate Director, DoIC
Manipal University Jaipur

Dr. Hemendra Talesara
Associate Director, DoIC
Manipal University Jaipur

Dr. Anitha H
Associate Director, DoIC
Manipal University Jaipur

MANIPAL UNIVERSITY JAIPUR

Directorate of International Collaboration (DoIC)
International Summer School-2025 (ISSMUJ)

Course: Image processing using Verilog
Name of instructor: Dr. Neha Singh (Manipal University Jaipur) / Dr. Shipra Bhatia (Manipal University Jaipur)
Session: May-July 2025
Language of instruction: English
Number of contact hours: 35
Credit awarded: 03
Prerequisite: Basic knowledge of image processing and Verilog

Summer School Attractions:
• Explore tours (Jaipur City, Taj Mahal, Fatehpur Sikri)
• Accommodation (Twin sharing) based on availability
• *Schedule may change in case of any unforeseen circumstances

Syllabus
Objective of Course/Project:
The student will learn to implement image processing algorithms in hardware using the Verilog Hardware Description Language (VHDL).

Registration Link for participation: <https://forms.gle/9K8K8K8K8K8K8K8K>

Dr. Neha Singh
Associate Director, DoIC
Manipal University Jaipur

Dr. Shipra Bhatia
Associate Director, DoIC
Manipal University Jaipur

Dr. Dinesh Bhalothia
Associate Director, DoIC
Manipal University Jaipur

Dr. Akhilesh Kumar Yadav
Associate Director, DoIC
Manipal University Jaipur

Dr. Pranay Bhardwaj
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Associate Director, DoIC
Manipal University Jaipur

Dr. Hemendra Talesara
Associate Director, DoIC
Manipal University Jaipur

Dr. Anitha H
Associate Director, DoIC
Manipal University Jaipur

MANIPAL UNIVERSITY JAIPUR

Directorate of International Collaboration (DoIC)
International Summer School-2025 (ISSMUJ)

Course: VLSI circuit design using Cadence From Schematic to Layout
Name of instructor: Dr. Neha Singh (Manipal University Jaipur) / Dr. Shipra Bhatia (Manipal University Jaipur)
Session: May-July 2025
Language of instruction: English
Number of contact hours: 35
Credit awarded: 03
Prerequisite: Knowledge of digital circuits. Exposure to circuit simulation concepts is added advantage

Summer School Attractions:
• Explore tours (Jaipur City, Taj Mahal, Fatehpur Sikri)
• Accommodation (Twin sharing) based on availability
• *Schedule may change in case of any unforeseen circumstances

Syllabus
Objective of Course/Project:
1. To get practical exposure in the system VLSI design process.
2. To design and simulate a CMOS-based circuit at the schematic level.
3. To develop corresponding physical layout using Cadence Virtuoso.
4. To verify the layout using Design Rule Check (DRC) and Layout Versus Schematic (LVS).

Registration Link for participation: <https://forms.gle/9K8K8K8K8K8K8K8K>

Dr. Neha Singh
Associate Director, DoIC
Manipal University Jaipur

Dr. Shipra Bhatia
Associate Director, DoIC
Manipal University Jaipur

Dr. Dinesh Bhalothia
Associate Director, DoIC
Manipal University Jaipur

Dr. Akhilesh Kumar Yadav
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Manipal University Jaipur

Dr. Hemendra Talesara
Associate Director, DoIC
Manipal University Jaipur

Dr. Anitha H
Associate Director, DoIC
Manipal University Jaipur

5Days FDP with NITTTR

MANIPAL UNIVERSITY JAIPUR

AICTE Approved Five Days Faculty Development Program
Futuristic Skills for Industrial Workforce

Organized by:
Department of IoT and Intelligent Systems, SoCSE-2
Department of Electronics & Communication Engineering, SoCSE-2
In association with NITTTR, Chandigarh
In collaboration with NITTTR, Chandigarh

May 19 - 23, 2025
ICT Mode

Steps to Apply for the FDP:

1. Create an Online Account
• Register as a new user at <https://forms.gle/9K8K8K8K8K8K8K8K> (Click yourself as Participant).
• After registration, participants can:
• Manage/Update their profile.
• Apply for the Training Program.
• View all the Training fees have applied for and attended.
2. Verify Mobile Number
• Verify your mobile number through OTP (without mobile number verification, participants will not be able to log in).
• After login, click on "Apply for FDP" in the left menu of the website.
3. Select the Department and Module
• Select the Department as "Entrepreneurship Development & Industrial Collaboration" and Module as "Online" for the course.
4. Apply for the Desired Training/Workshop Course (ICT Mode) Participants Skills for Industrial Workforce.
• In the application form, select "Registered Research Center" as the venue and then choose "Manipal University Jaipur".
• A list of the FDP will be shared to every participant.

Registration Link: <https://forms.gle/9K8K8K8K8K8K8K8K>

Dr. Dinesh Bhalothia
Associate Director, DoIC
Manipal University Jaipur

Dr. Akhilesh Kumar Yadav
Associate Director, DoIC
Manipal University Jaipur

Dr. Pranay Bhardwaj
Associate Director, DoIC
Manipal University Jaipur

Dr. Syed Sadique Anwar
Associate Director, DoIC
Manipal University Jaipur

Dr. Sumit Gupta
Associate Director, DoIC
Manipal University Jaipur

Dr. Basudha Dewen
Associate Director, DoIC
Manipal University Jaipur

Dr. Amisha Beniwal
Associate Director, DoIC
Manipal University Jaipur

Dr. Hemendra Talesara
Associate Director, DoIC
Manipal University Jaipur

Dr. Anitha H
Associate Director, DoIC
Manipal University Jaipur

Department of ECE joined hands with department of IoT and Intelligent Systems, Manipal University Jaipur and NITTTR, Chandigarh to organize an AICTE-Approved 5-Day Faculty Development Program on "Futuristic Skills for Industrial Workforce" from 19th - 23rd May 2025. Dr. Amit Rath was the Convener for this event from the department of ECE.

Welcome to the new faculty members

Dr Dinesh Bhalothia
Dr Akhilesh Kumar Yadav
Dr Pranay Bhardwaj
Dr Syed Sadique Anwar
Dr Sumit Gupta
Dr Basudha Dewen
Dr Amisha Beniwal
Mr Hemendra Talesara
Prof Anitha H