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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.

HIGHLIGHTS



12th Convocation Ceremony



Manipal University Jaipur hosted **12th Convocation** on **15-16 November 2025**. 43 students of B. Tech. in Electronics and Communication Engineering graduated successfully.

Conference Co-organised



Department of ECE, Manipal University Jaipur, in **collaboration** with NIT Goa, **co-organised** the **6th International Conference on Optical and Wireless Technologies** at Goa under the coordination of Irisworld Society during **18-19 December 2025**.

Faculty participation in AICTE-QIP-PG Certificate Programme at IIT Jammu

Dr. Himashu Chaudhary completed **AICTE-QIP-PG certificate programme** on **Internet of Things** at **IIT Jammu** from June to December 2025.



Faculty members as resource persons

Dr. Ankur Saharia delivered **expert talks** on **21 November 2025** and **26 November 2025** at events organized by Optica Student Chapter, IEEE Sensor Council Student Chapter and IEEE APS SBC, **MNIT Jaipur**. Dr. Dinesh Yadav delivered **keynotes** at **IEEE Conference** at **GL Bajaj Institute of Technology and Management, Noida** and **SKD University, Hanumangarh**. He also delivered expert talks at **Manipal Institute of Technology, MAHE, Karnataka, BVICAM, New Delhi, Global Institute of Technology, Jaipur** and **University of Engineering and Management Jaipur**.

Industry support under C2S

Renesas Electronics has provided **Quick Connect Boards** to **MUJ** as part of its ongoing support for academic learning and hands-on engineering education. Also, **MUJ** received **Siemens EDA tools** access under **C2S**.

Welcome to new faculty members

Dr. Ramesh Kumar Meena
(Research-track)

Dr. Raghvendra U (Adjunct)

Dr. Saraju Prasad Mohanty (Adjunct)

Dr. Tanveer (Adjunct)

Editorial Team

Dr Neha Singh.

Dr Ankur Saharia

Ms Samridhi Jha (2429030143),

Ms Aarushi Kumar (2429030101)

DEPARTMENT VISITS

Distinguished visits at ECE laboratories



We were privileged to welcome **Professor Ashutosh Sharma, President of the Indian National Science Academy and Former Secretary, Department of Science & Technology (DST), Government of India**, to the **MUJ-NLO+ Research Laboratory** (Funded by DRDO), Department of Electronics and Communication Engineering, Manipal University Jaipur, during his recent visit on **October 6, 2025**.

Director General, Council of Scientific and Industrial Research (CSIR) and chief guest of 12th Convocation at Manipal University Jaipur **Dr. (Mrs.) N. Kalaiselvi** visited **LEAF Lab** on **15 November 2025**.

Eminent scientists **Professor V. Ramgopal Rao, Vice Chancellor of the Birla Institute of Technology and Science, Pilani** and Professor Jain surveyed the facilities at **LEAF Lab** on 18th December 2025 to establish institutional MoUs.

Faculty visits



Dr. Prashant Povel Dwivedi, along with his PhD scholars **Mr. Abhinav Kumar** and **Mr. Ugrasen Singh**, visited the **Femtosecond Laser Laboratory** at the **Physical Research Laboratory**, a unit of the **Department of Space, Government of India**, Ahmedabad on **11 December 2025**.



Professor Manish Tiwari visited **Yonsei University, Seoul** on **3 November 2025** to deliver a talk on his research. Yonsei University's global ranking is 50th in the QS World University Rankings 2026.



As part of the **MoU** between **CSIR-CEERI** and **Manipal University Jaipur**, **Dr. ChandraPrakash Gupta** and **Dr. Arun Kishor Johar** visited **CSIR-CEERI, Jaipur** on **18 December 2025** to take forward the association in terms of upcoming collaborative activities and initiatives for students and research.

HAPPENINGS AT THE DEPARTMENT

INVITED TALK

The Department of Electronics and Communication Engineering, Manipal University Jaipur, hosted an **expert talk** by **Mr. Sanjeev Kesar**, CEO, Arvind Consultancy, on **“Opportunities in the Electronics and Semiconductor Industry”** on **5 November 2025**. The session provided insights into India’s **growing semiconductor ecosystem** and motivated students to explore emerging career opportunities.



WELLNESS SESSION

Department of ECE in collaboration with **Directorate of student welfare (DSW)**, **Abhigya Club & MUJ YES+ Chapter** organised a **meditation session** for **mental wellness** aimed at promoting mental well-being.



DEAN'S LIST AWARD CEREMONY

The Department of ECE , Manipal University Jaipur, proudly congratulated its students who were honored with the **Dean's Excellence Award** for Academic Excellence on **15 October 2025**.

FAREWELL to Batch of 2026

The department of ECE along with wonderful junior students, celebrated a memorable **Farewell** for the **Batch of 2026** on **17 November 2025**. It was a day filled with smiles, emotions, cherished memories, and a beautiful celebration of the journey at MUJ. We are incredibly proud of our students achievements in academics, innovation, leadership, and beyond.



HAPPENINGS AT THE DEPARTMENT

3 day hands-on workshop on Edge AIoT 24-26 November 2025



A 3 day hands-on workshop on Edge AIoT was conducted for teaching and lab staff during 24-26 November 2025. The sessions covered Edge AI and IoT fundamentals, real-time data acquisition and other related topics. The workshop offered practical exposure and enhanced the understanding of emerging Edge AIoT technologies.

UTSAAH 2025 14 November 2025



Student volunteers from the department in collaboration with MUJ YES+ Chapter and Abhigya Club participated in UTSAAH 2025 at SMS Stadium, Jaipur on 14 November 2025. Gurudev Sri Sri Ravi Shankar ji shared his words of wisdom during the event and inspired students to live stress free by curbing intoxication in any form.

Outreach Drives

Cybersecurity Awareness for Vendors 5 December 2025



Student volunteers from department of Electronics & Communication Engineering at Manipal University Jaipur (MUJ) along with faculty conducted an outreach activity in association with NSS on 5 December 2025 to promote awareness of common cyber threats and vulnerabilities relevant to vendor activities.

Traffic Rules Awareness 9 December 2025



Student volunteers from Department of Electronics & Communication Engineering at Manipal University Jaipur (MUJ) along with faculty conducted second outreach activity in association with NSS on 9 December 2025 to educate individuals about essential traffic rules, road signs, and safety guidelines and foster a sense of discipline, patience, and civic responsibility among all road users.



HAPPENINGS AT THE DEPARTMENT

Faculty Retreat 2.0 for School of Engineering 1st November 2025



The department of ECE participated in **Faculty Retreat 2.0** for School of Engineering on **1st November 2025** at **Blue Radisson, Jaipur**. As Manipal University Jaipur celebrates 2025 as the **Year of Collaboration**, this retreat provided refreshing opportunity to bring together the faculty members to engage them in meaningful discussions, share insights, and collaboratively develop a roadmap for a high-performing future towards institutional growth.

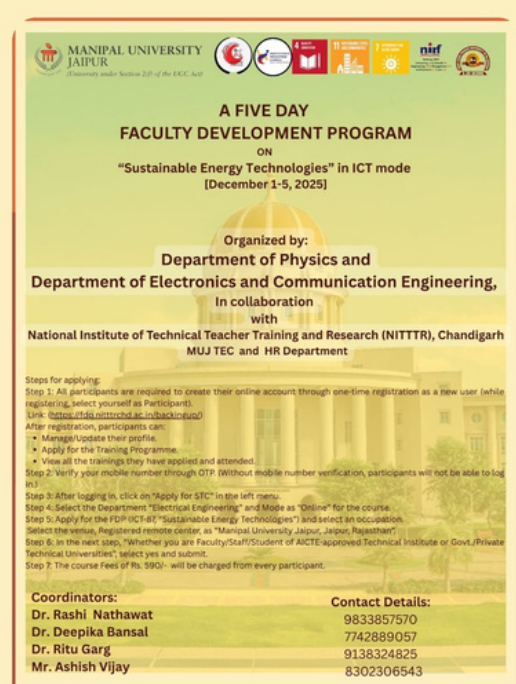
5-Days workshop on Integrated Circuit (IC) Design under C2S Program of MeitY 8th -12th December 2025

Department of Electronics & Communication Engineering at Manipal University Jaipur organized a **workshop on Integrated Circuit (IC) Design** in collaboration with **Dayalbagh Educational Institute, Agra** under **Chip to Startup (C2S) Program of Ministry of Electronics & Information Technology (MeitY)** from **8-12 December 2025**. The 5-day intensive hands-on workshop focused on **VLSI and Integrated Circuit Design**, strengthening competencies aligned with the **India Semiconductor Mission (ISM)**.



One-Week Faculty Development Program on "Sustainable Energy Technologies" 1st-5th December 2025

The **department of Electronics & Communication Engineering** and the **department of Physics**, Faculty of Science, Technology and Architecture, Manipal University Jaipur, in collaboration with **MUJ-TEC** and the **HR Department**, organized a **One-Week ICT-based Faculty Development Program (FDP)** on **Sustainable Energy Technologies**, from **1-5 December 2025** under the training framework of **NITTTR Chandigarh**, with MUJ as a Remote Center. Aligned with **SDG 7 (Affordable and Clean Energy)** and **SDG 11 (Sustainable Cities and Communities)**, the FDP provided a rich platform for knowledge sharing, interdisciplinary learning, and professional growth.



FACULTY AND STUDENT ACHIEVEMENTS

Internships bagged by 7th semester students



Kudos to the faculty members!!



Prof. Amit Rathi is elected as **executive committee member** for IEEE Delhi Section.

Dr. Arun Kishor Johar continued as a member of **executive committee, IEEE Rajasthan sub-section.**



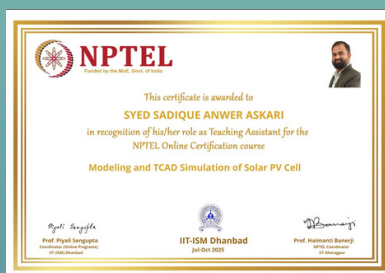
Prof. Manish Tiwari continues his term as **Optica Technical Group CHAIR** for **Systems and Instrumentation.**

Dr. Dinesh Yadav is elected as **Vice Chair of IEEE APS Chapter-Jaipur for 2026.**



Dr. Ankur Saharia continues his term as **Technical group leader for Nanophotonics.**

Dr Syed Sadique Anwer Askari is recognized by **NPTEL** for his role as **teaching assistant for the NPTEL online certification course on Modelling and TCAD Simulation of Solar PV Cell.**



Dr. Ashish Vijay successfully defended his **Ph. D. Thesis** on **4 December 2025** to earn his **Doctorate degree** on the topic **Aging aware modelling and optimization of analog circuits.**

Student achievements at sports

Saloni (2429030156) and Angel (2429030170) proudly represented **Manipal University Jaipur** in **Basketball** events in inter-university competitions and bagged top places.



FACULTY AND STUDENT ACHIEVEMENTS

NCC examination-B certificate earned



Agrima Nilesh Joshi (23FE10ECE00045) cleared **NCC-Certificate-B** examination, Ministry of defence, Government of India.

Students represent MUJ



Bhaskarjya Nayanjanju (2429030137) bagged III prize at **BOT'S GAMBIT 2025** organized by **IEEE-RAS** and **Utsav Sarkar** represented MUJ at **Technex '25**, the Annual Techno-Management Fest of IIT (BHU), Varanasi.

Students Travel Grant Awards



Kankan Deka, (23FE10ECE00050) received **\$500 Travel grant** to represent **IEEE MTT-s and APS chapter MUJ** at **MAPCON 2025** in Kochi,Kerala.

Abhinav Kumar (2492060004) has received **OPTICA Travel Grant (Optical Society of America)** to attend **SCOPOSIS 2025** for presenting his research.

Anushka Sharma (229202004) received **B. Tech. initiative travel grant award** by **IEEE** for participating in **MAPCON-2025**.

NPTEL and NIELIT certificates earned by students



Vinisha Mantri (23FE10ECE00015), Niyati Gupta (23FE10ECE00049), Khushi Rai (23FE10ECE00100) and Jayant Kumar (229202033) successfully completed certificate courses offered by **NIELIT**. **Dinesh Saran (229202076), Jasanjot Singh (229202026), Mayank Jawa (229202063) and Ronak Manoj Dudani (23FE10ECE00058)** earned **NPTEL** certificates.

