



Electroma

**Department of ECE
(Accredited by NBA)**



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Newsletter Highlights

Lecture
Networking Event
Alumni Connect
Faculty Achievements
Students' Achievements

VOLUME XX ISSUE IV
NEWSLETTER
Oct-Dec 2025

From Chief Editor's Desk



Dr Pankaj Jha
HOD ECE

Dear Readers,

Dear Readers,

The Electronics and Communication Engineering (ECE) Department stands at the forefront of technological innovation, blending fundamental engineering principles with cutting-edge developments in communication systems, embedded technologies, and electronics. Our department is dedicated to nurture curious minds and prepare students to meet the evolving demands of the industry.

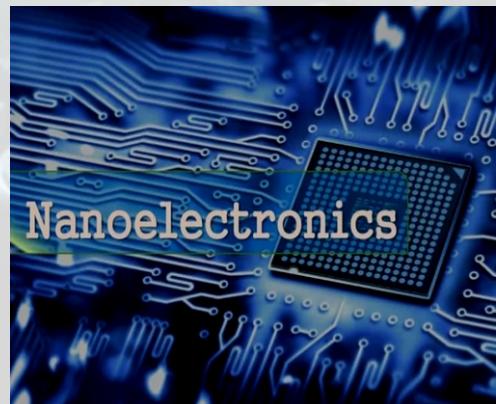
With a strong foundation in areas such as analog and digital electronics, signal processing, VLSI design, wireless communication, and microcontroller-based systems, the ECE curriculum equips students with both theoretical knowledge and practical skills. Through hands-on laboratory work, research projects, and industry collaborations, we aim to foster creativity, critical thinking, and problem-solving abilities among our students.

Our mission is not only to provide quality education but also to inspire innovation and contribute to technological advancement. We take pride in the achievements of our students and faculty, and we remain committed to academic excellence, research, and societal contribution.

Dr Pankaj Jha | Associate Professor | Chief Editor & HOD Dept. of ECE

Nanoelectronics

Nanoelectronics is a technology which use nanotechnology in electronics. It covers diverse set of device and material with the common characteristics that are so small that inter-atomic interactions and quantum mechanical properties need to be studied extensively. Some of these candidates include: hybrid molecular/semiconductor electronics, one-dimensional nanotubes/nanowires (e.g. carbon nanotube or silicon nanowires) or advanced molecular electronics. Nanoelectronic devices have critical dimensions with a size range between 1 nm and 100 nm. Recent silicon MOSFET technology generations are already within this regime, including 22 nanometers CMOS nodes and succeeding 14 nm, 10 nm and 7 nm FinFET generations



Source : Slideshare

Engineering
is the closest thing
to magic that
exists in the world

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LECTURE ON IEEE MEMBERSHIP

The Department of ECE organized a Lecture on “IEEE Event for Membership Drive” on 10 October 2025 at 12:00 PM. The Speaker Dr. Pankaj Jha, Head (ECE Department), IIMT College of Engineering, Greater Noida delivered the talk on importance of obtaining membership of IEEE as a student member. This activity was organized by Ms. Preeti Bhatt

The primary learning outcomes of an IEEE event for a membership drive are to understand the value proposition of IEEE membership and gain specific knowledge about the associated technical, professional, and networking opportunities. Core Learning Outcomes include that attendees should be able to:

- Articulate the benefits of IEEE membership: Understand the core advantages such as access to the IEEE Xplore Digital Library, discounted conference fees, technical magazines (like IEEE Spectrum), and access to online courses and webinars.
- Recognize professional development opportunities: Identify how IEEE membership can help build a career through access to job sites, professional certifications, travel grants, and project funding.
- Understand networking and community building: Grasp the potential to connect with a global network of peers, experts, and industry professionals via platforms like IEEE Collaborates and local Section/Chapter meetings.
- Identify leadership and soft skill development avenues: Learn how volunteering for student branches and organizing events can cultivate essential management, leadership, teamwork, and communication skills.
- Explore specialized technical interests: Become aware of the different IEEE technical societies and how joining the same, can provide domain-specific knowledge, publications, and events (e.g., Computer Society, Power Electronics Society).



Glimpse of Event

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IEEE NETWORKING EVENT

For WOMEN IN ENGINEERING

The Department of ECE organized an event on IEEE Networking Event for Women in Engineering (WIE) on 10th October 2025 in Room No. 304. Ms. Preeti Bhatt has conducted the event. This event aims to provide networking opportunities with industry and academic professionals, offer professional development workshops, and facilitate mentorship relationships to help advance women's careers and leadership roles.

Attending an IEEE networking event for Women in Engineering (WIE) provides learning outcomes related to career advancement, technical knowledge, and the development of interpersonal skills. Participants gain confidence, connect with mentors, and get exposure to new technologies and professional development resources. The outcomes can be summarized as:

- Create professional connections: Attendees build a professional network by interacting with IEEE members, industry leaders, and academic professionals from various locations.
- Establish a strong support system: Events foster community by connecting women with peers and mentors who share similar experiences and goals, helping to combat feelings of isolation in STEM fields.
- Engage with global experts: WIE events attract technical experts and accomplished leaders, providing access to a global network of professionals with diverse backgrounds and experiences.
- Practice strategic networking: Webinars and sessions may offer techniques for purposeful networking, such as making strong first impressions, following up effectively, and building strategic relationships.
- Develop career skills: WIE conferences and summits offer professional development sessions focused on leadership, entrepreneurship, and innovation, tailored for women at various career stages.



Glimpse of Event

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ALUMNI CONNECT

The department of ECE organized Alumni Connect on 21th November 2025 at 10.30 AM under Alumni cell. Our Alumni Mr. Pratyay Amrit (2017 batch) working as an associate operation manager in R1 RCM Pvt Ltd. The session was very interactive and knowledgeable. He explained various experiences in industry level with the students and discussed his success story in study life. He also explained them to study well regularly in all years. In his talk, he motivated about some of the important parameters that will help candidates how to appear in front of interviewer and discussed about his expertise. He also motivated the students to perform group projects and to do various advanced research activities.



Glimpse of Event

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FACULTY ACHIEVEMENTS

- Dr. Pankaj Jha, HOD,ECE department has attended 5th International conference AECE-2025 as a Session Chair at RKGIT College, Ghaziabad



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- Dr. Pankaj Jha, HOD, ECE department has attended 2nd International conference Emerging Technologies & Innovation for Sustainability as a Session Chair at NIET College, Greater Noida



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- Dr. Rajeev Chauhan, Associate Professor, ECE department has attended one day IIC Regional Meet 2025 hosted by G.L Bajaj Institute of Technology.



- Mr. Deepak Sahu, Assistant professor, ECE department has completed ATAL Faculty development program on “Recent Trends in Electric Vehicle” organized at IIMT College of Polytechnic.



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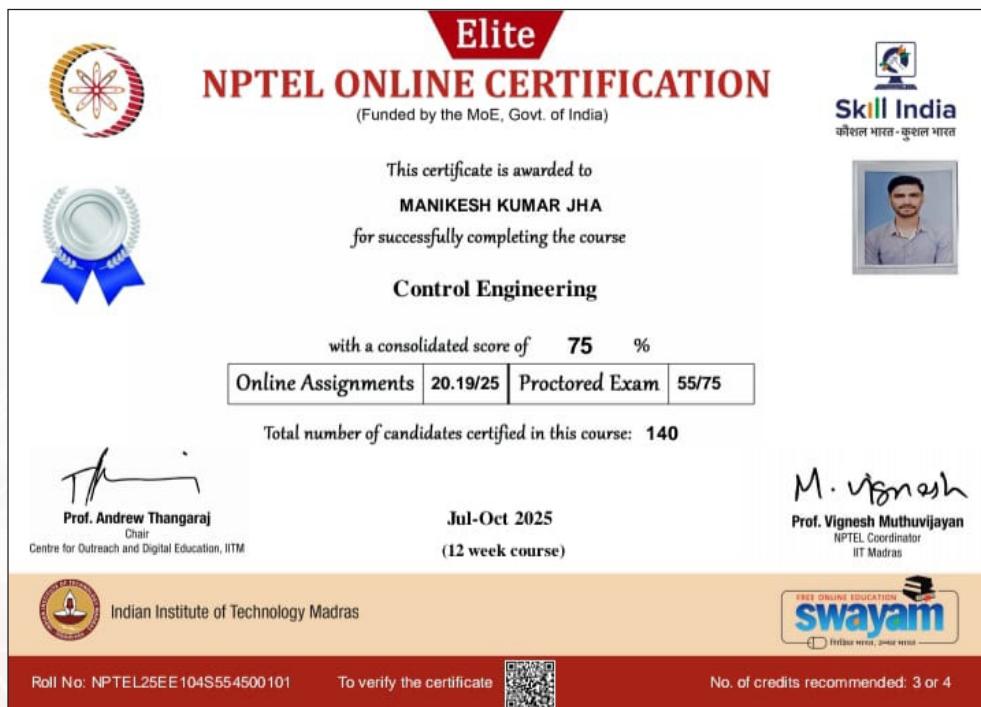
- Mr. Manikesh Kumar Jha, Assistant professor, ECE department has completed ATAL Faculty development program on “Emerging 2D Semiconductor Devices: Powering the Future of Nanoarchitectonics” organized at NIT Jamshedpur



- Mr. Manikesh Kumar Jha, Assistant professor, ECE department has completed ATAL Faculty development program on “ NextGen Electronics and Communication System: Empowered by AI and ML” organized at NIT Kurukshetra



- Mr. Manikesh Kumar Jha, Assistant professor, ECE department has completed NPTEL Course on “Control Engineering” with Silver Medal.



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STUDENTS' ACHIEVEMENTS

- Mohd. Hussain Khan student of final year of ECE department had presented research paper in “5th International Conference on Advancement in Electronics and Communication Engineering” organized at RKGIT, Ghaziabad.



- Ayush Vikram Singh, Riya Tiwari, Ramashish Maurya 3rd Year student of ECE department had attended one day IIC Regional Meet hosted by GLBITM, Greater Noida





- Rahul Sharma 4th Year Student of ECE department became Winner of “Tug of War” in NEO FEST 2K25 organized at IIMT College of Engineering, Greater Noida.



- Amar Kishore 2nd Year Student of ECE department had secured First Position in Cricket in “KhelFiesta 2025” organized by I Business Institute, Greater Noida.



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- Divakar, Mohd. Faizan & Onkar Dinod 3rd year students of ECE department had participated in Product Exhibition at “4th IEEE DELCON 2025” Organized at Jamia Millia Islamia university, New Delhi.



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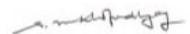
4th IEEE DELCON 2025

International Conference on Recent Smart Technologies
in Engineering for Sustainable Development



CERTIFICATE Of PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Divyakar
of IMT College of Engineering titled Smart Accident alert system
has participated in product exhibition at the International Conference, 4th IEEE
DELCON 2025, on Recent Smart Technologies in Engineering for Sustainable
Development organised by Dept. of Electrical Engineering, Jamia Millia Islamia, New
Delhi on 31st October - 2nd November, 2025.


Prof. Subrata Mukhopadhyay

Publication Chair


Prof. Shahida Khatoon

General Chair


Prof. Iqbal Ali

Organising Secretary


Dr. Arunesh Kumar Singh

Organising Secretary

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— Aim For Excellence —

Department Of Electronics & Communication Engineering



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HOD, ECE



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