NBA NATIONAL BOARD OF ACCREDITATION
Accreditation of courses means international stamp of approval and recognition of our commitment to impart quality education.
B.Tech - CSE & ECE

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

NAAC

NEWS LETTER

VOLUME XXI, ISSUE1, JANUARY-MARCH 2026

A Quarterly Publication of

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



FROM EDITOR'S DESK



DEAR READERS,

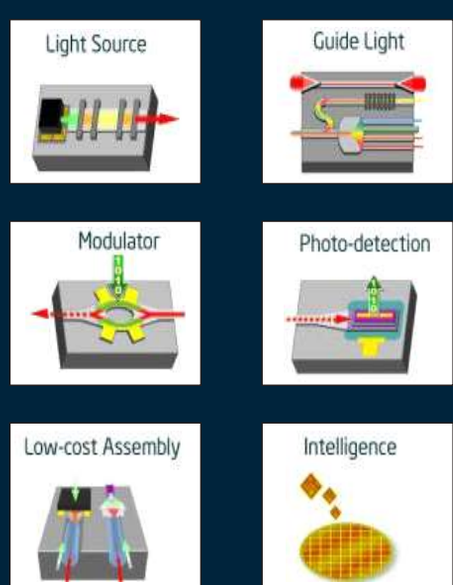
The Electronics and Communication Engineering (ECE) Department stands at the forefront of technological innovation, blending fundamental engineering principles with cutting-edge developments in communication systems, embedded technologies, and electronics. Our department is dedicated to nurture curious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

SILICON PHOTONICS

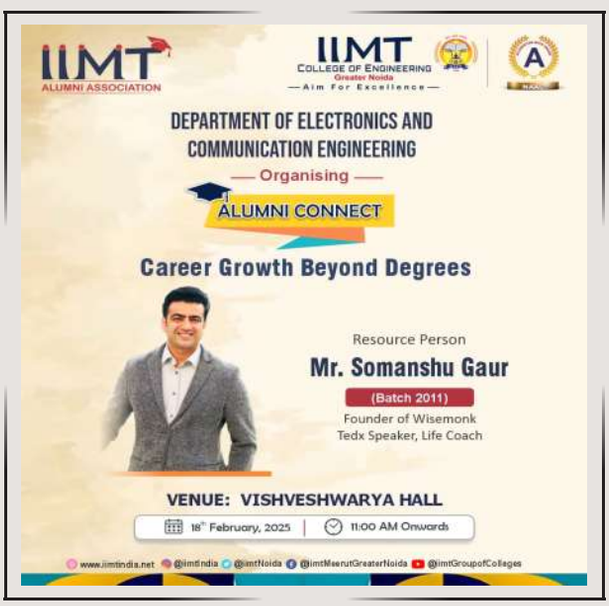
Silicon photonics is the study and application of photonic systems which use silicon as an optical medium. The silicon is usually patterned with sub-micrometre precision, into microphotonic components. These operate in the infrared, most commonly at the 1.55 micrometre wavelength used by most fiber optic telecommunication systems. The silicon typically lies on top of a layer of silica in what (by analogy with a similar construction in microelectronics) is known as silicon on insulator (SOI). Silicon photonic devices can be made using existing semiconductor fabrication techniques, and because silicon is already used as the substrate for most integrated circuits, it is possible to create hybrid devices in which the optical and electronic components are integrated onto a single microchip. Consequently, silicon photonics is being actively researched by many electronics manufacturers including IBM and Intel, as well as by academic research groups, as a means for keeping on track with Moore's Law, by using optical interconnects to provide faster data transfer both between and within microchips.



Alumni Connect

The Department of ECE organized Alumni Connect on 18th February 2026 at 11:00 AM under Alumni cell. Our alumni, Mr. Somanshu Gaur is the Founder of Wise monk. He is a TEDx Speaker, Peak Performance Coach, Life Coach, and Corporate Trainer. He shared his 17 year experience about helping the people to improve their focus, confidence, emotional strength, and overall performance in life. He has conducted more than 1500 live seminars across India, guiding youth and professionals towards the right direction. Through his sessions and programs, more than 3 lac lives have been positively influenced.

He motivates all students by the success story of this journey from IIMT to Motivational Speaker.











Workshop on
“Integrating AI/ML Model into Micro-controller on Embedded System”

The Department of ECE organized a workshop on Integrating AI/ML Model into Micro-controller on Embedded System on 23rd March 2026 at 1:30 PM onwards. The Resource person of this workshop was Mr. Lakhwinder. He is a Data Scientist and working at Cetpa InfoTech Pvt.Ltd. The session begins with an introduction to embedded systems and the challenges of deploying machine learning models on hardware with limited memory, processing power, and energy availability. Participants are introduced to concepts like TinyML, model optimization techniques (quantization, pruning), and lightweight frameworks such as Tensor Flow Lite for Microcontrollers. The workshop often includes hands-on sessions where attendees train simple ML models (e.g., for image recognition or sensor data classification) and then deploy them onto microcontrollers like Arduino, ESP32, or STM32. Key learning outcomes include understanding how to preprocess data, convert trained models into embedded-compatible formats, and integrate them with real-time applications such as smart sensors, predictive maintenance, and IoT devices. The session also highlights performance trade-offs, debugging techniques, and best practices for efficient deployment.

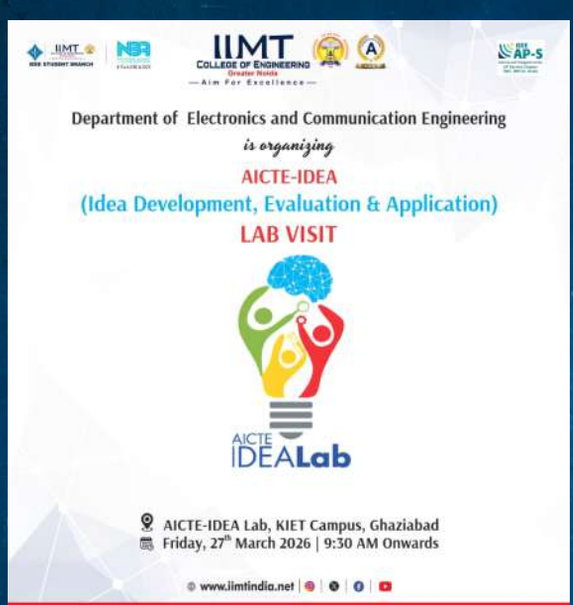
Glimpse of Workshop





AICTE-IDEA Lab Visit

The Department of ECE organized AICTE-IDEA Lab visit on 27th March 2026 at 9:30 AM for 3rd year students. Mr. Basanta Mahato, Assistant Professor, ECE accompanied the students during the visit. This visit aims to bridge the gap between academia and industry, fostering innovation and multi-disciplinary research. Visiting an AICTE IDEA Lab enables ECE B.Tech students to turn theoretical concepts into tangible prototypes, bridging the gap between classroom knowledge and industrial application. Key outcomes include hands-on experience in IoT/robotics, 3D printing, circuit design, and developing 21st-century skills like critical thinking, design thinking, and collaborative teamwork.









Guest Lecture
On
"Future Trends and Opportunities in Antenna Engineering"

The Department of ECE organized guest lecture on "Future Trends and Opportunities in Antenna Engineering" on 30th March, 2026 under the coordination of Dr. Pankaj Jha, HOD, ECE. The resource person was Dr. Raghvendra Kumar Chaudhary, Associate Professor; IIT Kanpur provided valuable insights into the rapidly evolving field of wireless communication. The speaker highlighted how advancements in technologies such as 5G, 6G, Internet of Things (IoT), and satellite communication are driving innovation in antenna design. Emphasis was placed on modern antenna systems like smart antennas, MIMO (Multiple Input Multiple Output), and reconfigurable antennas that enhance performance, efficiency, and adaptability. The lecture also explored emerging trends including miniaturization, use of advanced materials, and integration of antennas into compact devices. Opportunities in research, industry applications, and interdisciplinary fields were discussed, encouraging students to develop skills in simulation tools, electromagnetics, and communication systems.









Faculty Achievements

Dr. Pankaj Jha, HOD, Department of ECE has attended Conference Quality & Management Workshop (Panel of conference Organizers-POCO) organized by IEEE Uttar Pradesh Section.



IEEE
UP SECTION (INDIA)

Cert. No.:IEEEUPSec/2026/CQMW/P/49

2026 CONFERENCE QUALITY & MANAGEMENT WORKSHOP(CQMW)

(PANEL OF CONFERENCE ORGANIZERS - POCO)

ORGANISED BY

IEEE UTTAR PRADESH SECTION

CERTIFICATE OF PARTICIPATION

This Certification is presented to

Prof./Dr/Ms./Mr. Pankaj Jha

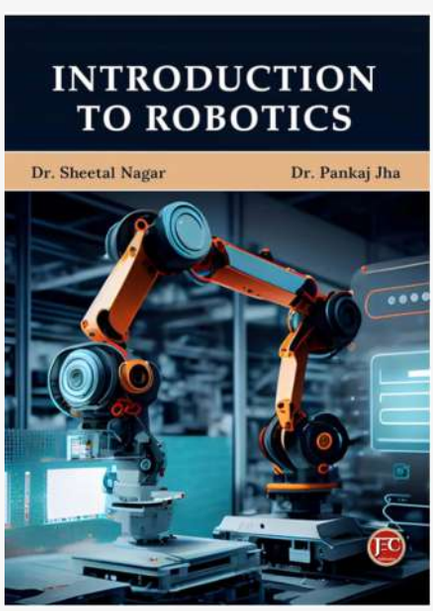
From IIMT College of Engineering, Greater Noida for active participation in Conference Quality & Management Workshop 2026 held on 29th March 2026 at Bennett University, Greater Noida

Organizing Chair CQMW 2026
IEEE UP Section

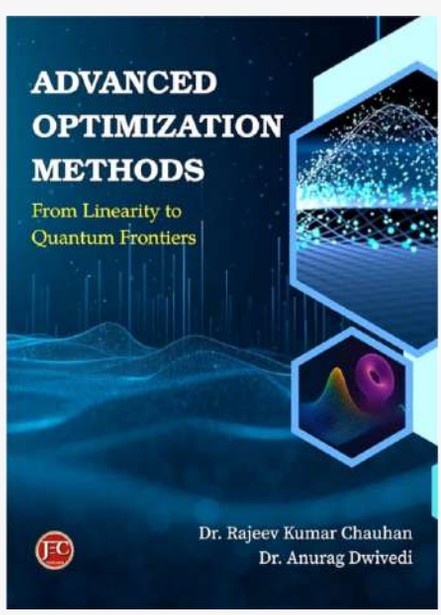
General Chair CQMW 2026
IEEE UP Section

Chair
IEEE UP Section

Dr. Pankaj Jha, HOD,ECE and Dr. Sheetal Nagar, Assistant Professor, ECE have got published a book entitled“ Introduction to Robotics”



Dr. Rajeev Chauhan, Associate Professor, Department of ECE has got published a book entitled “ Advanced Optimization Methods”



Faculty Achievements

Dr. Tasleema Ahmed , Associate professor, ECE department has contribute as a Reviewer in “2nd IEEE International Conference on Cognitive Computing in Engineering, Communication, Science and Biomedical Health Informatics” organized at GBU.



IC3ECSBHI/R/2026/ 987

IEEE | गौतम बुद्ध विश्वविद्यालय GAUTAM BUDDHA UNIVERSITY | INSTITUTION'S INNOVATION COUNCIL | IEEE

2nd IEEE INTERNATIONAL CONFERENCE
on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics

CERTIFICATE
OF APPRECIATION

Presented to

Taslima Ahmed

has contributed as a **Reviewer** in the **"2nd IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI-2026)"** organized during **February 12-14, 2026** at Gautam Buddha University, Greater Noida,(U.P.), India. His/Her support has provided profound insights and notably enhanced the academic and professional excellence during the conference.

DR. M.A. ANSARI — CONFERENCE GENERAL CHAIR
PROF. ASHEESH KUMAR SINGH — HONORARY CHAIR
DR. KIRTI PAL — CONFERENCE CHAIR
CONFERENCE CONVENER/SECRETARY

IC3ECSBHI-2026 IC3ECSBHI-2026

Dr. Seema Nayak, Professor, ECE department has participated in DESC 2025 initiative organized by APEX SDG Trust.



Certificate
District Eco-SDG Champion – 2025
(A National Call to Action for Higher Education Institutions)

APEX SDG

This is to certify that
Dr Seema Nayak
of
IIMT COLLEGE OF ENGINEERING

has actively participated with dedication, commitment and completed the activities in the DESC 2025 Initiative organized by APEX SDG Trust, contributing meaningfully towards the goals of sustainability, civic responsibility, and nation building.

The participant has demonstrated sincere engagement across the five focus areas:
Environment & Climate Action | Civic Literacy & Public Safety | Community Engagement | Innovation & Green Economy | Culture & Local Tourism

This certificate is awarded in recognition of valuable contribution and responsible citizenship in strengthening India's SDG movement through higher education.

For APEX SDG TRUST,
Executive Director
APEX SDG TRUST

Issued on: 31 Dec 2025
Certificate No: DESC2025/18

Students Achievements

Mr. Shivam Kumar student of 3rd year ECE department has selected in SURGE 2026 Program at IIT Kanpur



IIT Kanpur: Offer of Selection for SURGE 2026 Programme

Inbox

SURGE IIT Kanpur Mar 25
to me

Dear Candidate,

This is in reference to your application for SURGE–2026. We are pleased to inform you that you have been selected for the SURGE 2026 Program at IIT Kanpur.

You are required to pay the applicable SURGE administrative charges on or before **March 29, 2026 (midnight)** via the portal link below; failing which, your candidature will be considered cancelled.

Portal Link: https://surge.iitk.ac.in/
Payment Instructions:
1. Login to the portal
2. Click on *View Application*
3. Follow the instructions on the portal to complete the payment.

Administrative charges:
IITK students- **Rs. 3000;**
Non-IITK students and SAARC students - **Rs.**



Confirmation of Participation – SURGE 2026 Programme. Inbox

me Mar 25
Dear Dr. Raghvendra Kumar Chaudhary, I ho...

Dr. Raghvendra C... Mar 25
to me, kanubhav

Hi Shivam,

Thanks for confirming.

Best wishes

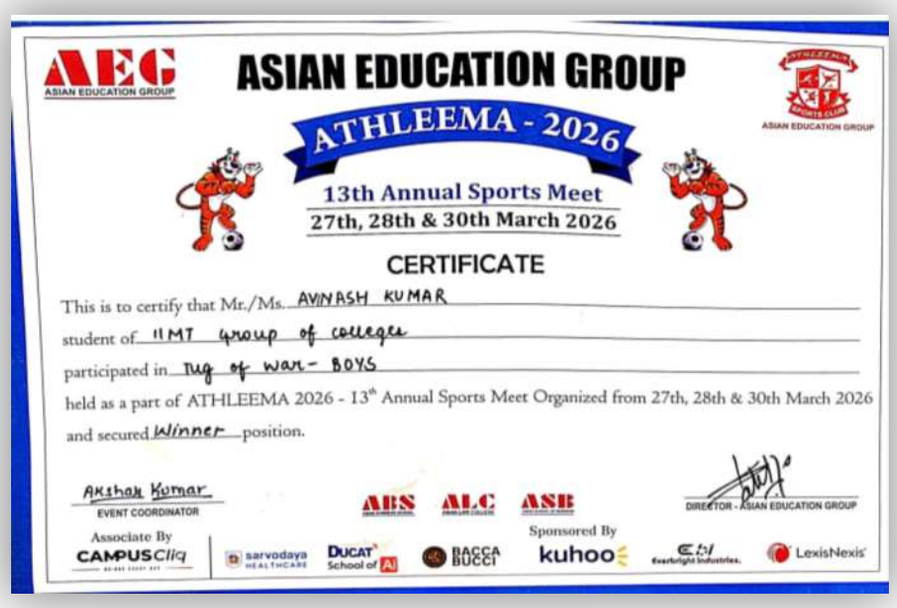
Raghvendra

Dr. Raghvendra Kumar Chaudhary
Associate Professor
ACES 325A, Electrical Engineering,
Indian Institute of Technology Kanpur
Kanpur 208016, U.P., India
Office Phone: +91-512-679-2306
mmWave Lab: +91-512-259-7058
Web: https://home.iitk.ac.in/~raghvendra



Students Achievements

Avinash Kumar student of ECE 2nd year has achieved first position in Tug of war game organized at Asian Educaion Group, Noida.



ASIAN EDUCATION GROUP

ATHLEEMA - 2026

13th Annual Sports Meet

27th, 28th & 30th March 2026

CERTIFICATE

This is to certify that Mr./Ms. AVINASH KUMAR

student of HMT group of colleges

participated in Tug of war - BOYS

held as a part of ATHLEEMA 2026 - 13th Annual Sports Meet Organized from 27th, 28th & 30th March 2026

and secured Winner position.

Akshay Kumar
EVENT COORDINATOR

DIRECTOR - ASIAN EDUCATION GROUP

Associate By CAMPUSCliq

Sponsored By kuhoo

Avinash Kumar student of ECE 2nd year has achieved first position in Tug of war game organized at HIMT College, Greater noida.



HIMT GROUP OF INSTITUTIONS

(Approved by AICTE, BCI, PCI, NCTE and Affiliated to AKTU, BTE, Lucknow, CCSU, Meerut)

8, Knowledge Park-I, Greater Noida- 201310

Certificate

This is to certify that Mr/Ms. Avinash from HIMT has participated in Spriesta organized on 16th March 2026 and secured 1st (First) Position in Tug of War.

CONVENER

GROUP DIRECTOR

SECRETARY



Editorial Board

CHIEF EDITOR:

Dr. Pankaj Jha
(HOD ECE)

CO EDITOR:

Mr. Manikesh Kumar Jha
(Assistant Professor-ECE)

STUDENT EDITORS:

Ramashish (ECE 3A)
Riya (ECE 3A)

www.iimtindia.net | Follow Us: