

IIMT

COLLEGE OF ENGINEERING

Greater Noida

— Aim For Excellence —




Electroma

Department of ECE
(Accredited by NBA)



 www.iimtindia.net

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Greater Noida (U.P.)

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Jan.-Mar. 2024

VOLUME XIX ISSUE I
NEWSLETTER

From Chief Editor's Desk



Prof. (Dr.) Seema Nayak HOD ECE

Dear Readers,

Engineers are creators of new world with Electronics & Communication being one of the most exciting branches and has been contributing tremendously to this. The branch ELECTRONICS stands for “Ever Learning Ever Creative Through Research on setting New Inventions Comforting Society”, is at the cross roads between hardware and software leading to learning over wide spectrum which includes communication systems, VLSI design, Embedded Systems, Digital Signal Processing, Controls Systems, Electromagnetic Fields and Waves, Antennas, Microwaves and Radars, Microprocessors and Micro-controllers, IOT etc. This integrates to create better, safer technologies like car, aircrafts, mobiles, smart phones and surgical robots. The Department provides a very good ambience for learning and development as it boasts of a healthy blend of experienced professors with Ph.D. qualifications and young highly efficient staff members with most of them currently undergoing research with rich experience in teaching. Also, there are many research papers being published in reputed international and national journals by various staff members including few patents.

Prof.(Dr.) Seema Nayak | Professor | Chief Editor & HOD Dept. of ECE

5th Generation

5G, as the name suggests 5th generation mobile network that comes after previous global wireless standards such as 1G, 2G, 3G, and 4G networks. It has the ability to create a new kind of network to connect virtually everyone and everything ranging from machines, objects to devices.

5G wireless technology can deliver higher data speeds while uploading and downloading, ultra-low latency, with more reliability and massive network capacity.

It allows instant connectivity during video conferencing and gaming including connectivity to a large number and even different type of devices.



Source: nec5g.org

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

Jan.-Mar. 2024

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Guest Lecture “Process of Innovation Development”

On 26th February 2024, the Department of ECE organized a guest lecture on “Process of Innovation Development, Technology Readiness Level (TRL) & Commercialization of Lab Technologies and Tech-Transfer”. The guest speaker was Dr. Naveen Rathee (President IIC, IIMT College of Engineering).

Entrepreneurship and Innovation program combines theoretical and empirical perspectives with the development of practical skills and opportunities for the application of knowledge to real-life organizational issues faced by those establishing and managing innovation-driven organizations.

Dr. Naveen Rathee discussed the current need of the electronics industry so that the students can prepare themselves for the industrial opportunities for their career. According to him, students should also have good communication skills required to be industry-ready.



INSTITUTION'S INNOVATION COUNCIL
Ministry of Education, Government of India

IIMT
COLLEGE OF ENGINEERING
Greater Noida
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Institution's Innovation Council (IIC-IIMT) &
Department of Electronics & Communication Engineering

Is Organising
Guest Lecture

**PROCESS OF INNOVATION DEVELOPMENT, TECHNOLOGY READINESS LEVEL (TRL) &
COMMERCIALIZATION OF LAB TECHNOLOGIES & TECH-TRANSFER**

Speaker
Dr. Naveen Rathee
President IIC
IIMT COLLEGE OF ENGINEERING

Monday, 26th February, 2024 10:00 AM Onwards
Venue: Room No. 304

Patrons
Prof. (Dr.) S.S. Tyagi, Director
Prof. (Dr.) Seema Nayak, HOD (ECE)

Coordinator
Dr. Gopal Krishan, Associate Professor (ECE)

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Dr. Naveen Rathee delivering the session on Innovation Development & Technology Transfer

Jan.-Mar. 2024

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Guest Lecture

“Innovating Self-Screen and Identifying Right Opportunities”

The Department of ECE organized a guest lecture on “Innovating Self-Screen and Identifying Right Opportunities” on **29th February 2024** at 11:30 AM onwards. The guest lecture was conducted by Mr. Vaibhav Mishra (Founder & CEO – Aujus Technology Pvt. Ltd, Noida). This activity was organized by Mr. Basanta Mahato (Assistant Professor).

Mr Mishra discussed the importance of carrying out self-analysis of entrepreneur's own strength and weaknesses and work on building upon strength, and overcoming weaknesses. He further pointed out that an entrepreneur must look for right opportunity before launching his/her venture.



The poster features the logos of the Institution's Innovation Council (IIC-IMT) and IIMT College of Engineering. It states the event is organized by the IIC-IMT and the Department of Electronics & Communication Engineering. The speaker is Mr. Vaibhav Mishra, Founder & CEO of Aujus Technology Pvt. Ltd. The event is scheduled for Thursday, 29th February, 2024, at 11:30 AM onwards, in Room No. 304. Patrons include Prof. (Dr.) S.S. Tyagi and Prof. (Dr.) Seema Nayak. The coordinator is Mr. Basanta Mahato.



Mr. Vaibhav Mishra delivering the session

Alumni Meet

ECE Department organized an Alumni Meet under the Alumni Cell of the department on 15th March 2023 at 2.00 PM. Speaker at the event was Mr. Rishi Raj, 2018-22 Batch.

Mr. Rishi Raj shared his experiences with the students and advised them to study core subjects regularly. In his interaction, he talked about some of the important criteria for getting selected for a dream job and motivated the students to understand the fundamentals of subjects.

He also encouraged the students to perform group studies and to do various advanced projects which will increase their knowledge. He explained about Arduino, raspberry pi and arm microcontroller briefly.



The poster is for an event titled "ALUMNI CONNECT" organized by the IIMT Alumni Association. It is part of an "Alumni Activity" by the Department of Electronics and Communication Engineering. The speaker is Mr. Rishi Raj, from the 2018-22 batch, who is a Corporate Trainer at Uncodemy, GVCLOUD Secure Pvt. Ltd. The event is held at the ECE Department on Friday, 15th March, 2024, from 02:00 PM to 03:00 PM. The coordinator is Dr. Taslima Ahmed, Associate Professor. The poster includes logos for IIMT and IIMT College of Engineering, Greater Noida, and lists social media handles for the organization.



Mr. Rishi Raj(2018-22) Batch Interacting with Students

Faculty Achievements

Prof.(Dr) Seema Nayak, HOD, Department of ECE, received the certificate of highly valued guest editor from Measurement: Sensor Journal (Elsevier)

ELSEVIER Indexed by Scopus

CALL FOR PAPERS FOR THE SPECIAL SERIES
on
**Advancement of Computational Intelligence
in Wearable Sensor Technologies**
organised by
Measurement: Sensors Journal by Elsevier

GUEST EDITOR (s)

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ELSEVIER Measurement: Sensors

Measurement: Sensors
January 2024

This certificate is to acknowledge
DR SEEMA NAYAK
as a highly valued
Guest Editor
of the journal Measurement: Sensors
between January 2024 and January 2024

Editor-in-chief
Measurement: Sensors

Elsevier
Editor

Jan.-Mar. 2024

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Faculty Achievements

Dr. Gopal Krishna, Associate Professor, ECE Department received the certificate for Trainer with grade B in IOT Hardware Analyst from Skill India (NSDC).



Mr. Basanta Mahato, Assistant Professor, ECE Department received the certificate for Trainer with grade B in IOT Hardware Analyst from Skill India (NSDC).

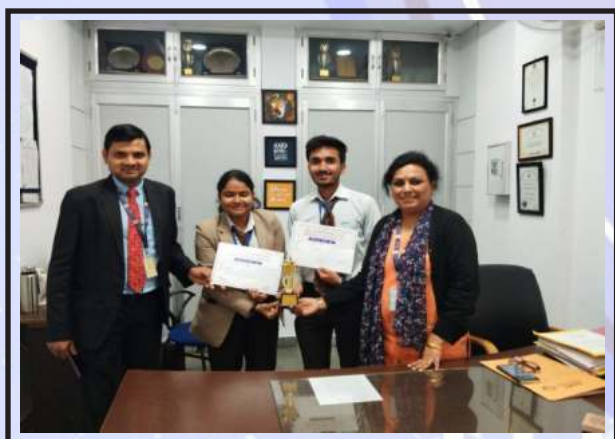


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Students Achievements

Astha Singh and Bhanu Sharma students of 3rd year of Department of ECE won the second prize for presenting the soil irrigation model in the event organized by Department of Science & Technology, Uttar Pradesh



Rahul Sharma, a student of 2nd year ECE Department won the 2nd prize in Tug of War event, organized by Noida International University.

Research Paper Publication

Upkar Kumar, a student of 2nd year of the Department of ECE, published the Paper, titled, "Class Monitoring System Using Live Surveillance" in Journal of Recent Trends in Electrical Power System.



Sachin Kumar Yadav, a student of 2nd year of the Department of ECE, published a Paper, titled, "Create a Robot That Can be Controlled Wirelessly Over Wi-Fi and Has Ability to Produce Speech" in Journal of Sensor Research and Technology



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Research Paper Publication

Ashish Rai, a student of 2nd year of the Department of ECE, published the Paper, titled "Arduino Based Bluetooth Car with Metal Detector" in Journal of Advancement in Electronics Design.



Raja Babu, a student of 2nd year of the Department of ECE, published the paper, titled "Create a Robot That Can be Controlled Wirelessly Over Wi-Fi and Has Ability to Produce Speech" in Journal of Sensor Research and Technology.



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NEWSLETTER

Department Of Electronics & Communication Engineering



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Prof.(Dr) Seema Nayak
HOD, ECE



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