

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —



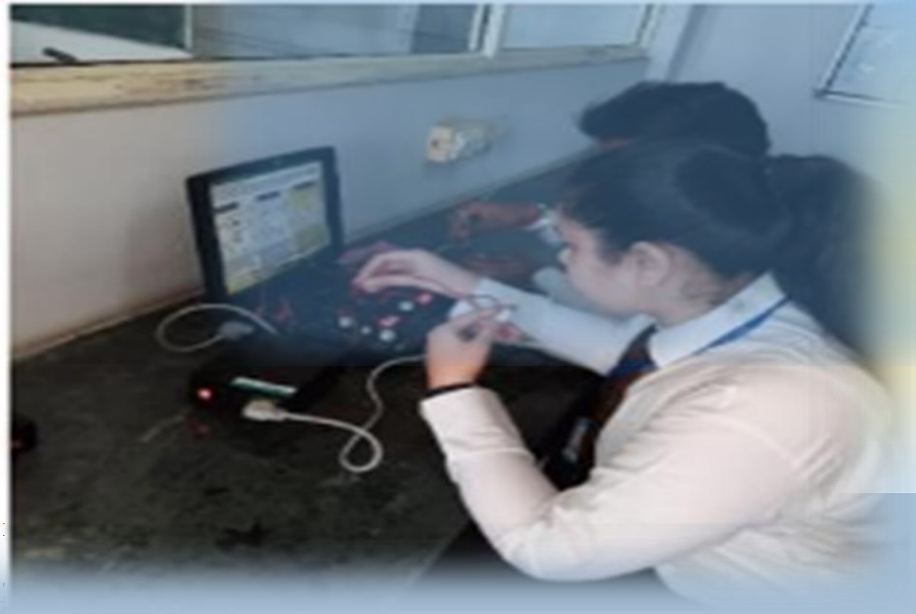
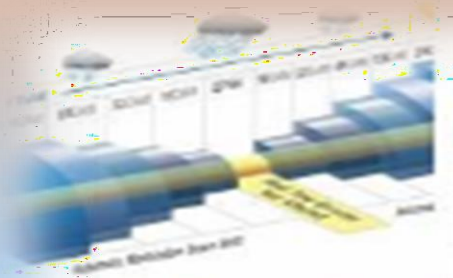
Electroma

A Quarterly Publication of

Department of Electronics and Communication Engineering

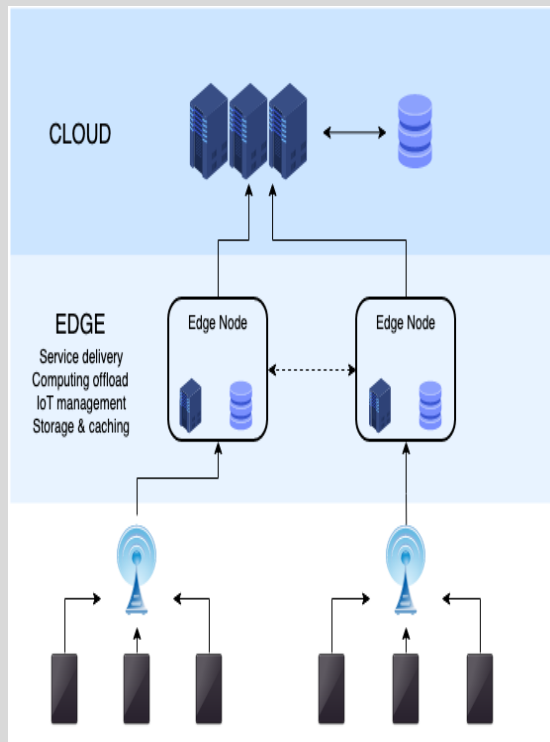
Volume XVIII, Issue 1, January–March, 2023

IIMT COLLEGE OF ENGINEERING NEWSLETTER



Edge computing

Edge computing helps by bringing the processing and storage of data closer to the equipment. This enables IoT sensors to monitor machine health with low latencies and perform analytics in real-time. Edge computing is a distributed computing paradigm that brings computation and data storage closer to the source of data.



From Editor's Desk



Dear readers,

In the current context of rapid changes that are taking place in our country, all activities directed towards economic advancements are required to be addressed with the highest priority. In this effort, it is also imperative to prepare social engineers, who could contribute to and manage the needs of the society with the equanimity of mind and an attitude of selfless social service. IIMT College of Engineering, our parent trust with abundant experience in the field of education and social service has always been focusing its efforts on this very important activity of nation-building. IIMT College of Engineering is consistently rated amongst the top 100 Engineering colleges of our country by various ranking institutions.

Engineering Quotes

“The scientist discovers a new type of materials or energy and the engineer discovers a new use for it”

Industrial Visit at Mother Dairy, Patpargunj Delhi 110092

Department of Electronics and Communication organized an Industrial visit to Mother Dairy, Patpargunj Delhi -110092 on 1st Feb 2023 at 9:00 AM onwards.

Mr Deepak Sahu coordinated this industrial visit. An industrial visit provides the students with an insight into the internal working of companies and upgrades the students with the latest updates on the industrial profession to provide the knowledge of new modern techniques used. Industrial visits provide students with a chance to meet industry leaders, professionals, entrepreneurs, policymakers, and corporate who share their wisdom, learning, and experiences.



Industrial Visit at Mother Dairy

Guest lecture On

“Innovating Self Screen and Identify Right Opportunities”

The department of ECE organized a guest lecture on the topic “Innovating self-screen and identify right opportunities” on 15th Feb 2023 at 10:30 AM onwards under IIC. The Guest Speaker Mr Prateek Gupta is a business and data Analyst in the company named “Pragati Glass Pvt. Ltd.”, Gujarat.

The speaker discussed how the students can find out the right opportunities in the market as an entrepreneur.



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

IIMT
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Institution's Innovation Council (IIC - IIMT) &
Department of Electronics & Communication Engineering

jointly organising
Guest Lecture on

**INNOVATING SELF SCREEN AND IDENTIFY
RIGHT OPPORTUNITIES**

Speaker
Mr. Prateek Gupta
(Business/Data Analyst)
Pragati Glass Pvt. Ltd., Gujarat

Date: Wednesday, February 15, 2022 | Time: 10:30 AM Onwards
Venue - Vishveshwarya Hall

FACULTY COORDINATOR
Ms. Zaiba Ishrat
Assistant Professor, ECE
IIMT College of Engineering

STUDENT COORDINATORS
Muskan Kumari (ECE 2nd Year)
Shiv Pratap Patel (ECE 2nd Year)

SCAN FOR REGISTRATION

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Guest Lecture on Innovating Self Screen and Identify Right Opportunity

Industrial Visit at Automation Expo, Pragati Maidan, New Delhi

Department of ECE organized an Industrial visit at Automation Expo, Pragati Maidan, New Delhi on 17th February 2023. Educational tours to industries provide an opportunity for students to see and experience real workstations, plants, machines, systems, and assembly lines, and interact with highly trained and experienced personnel. Students attended a conference “Scaling Intelligent Automation”.

Students also participated in 3D gaming technology and events. This practical learning experience is necessary for students who have studied theory only and are unaware of shop floor. The students learnt about company policies in terms of production, quality, and service management and acquainted themselves with the working of instruments during the course curriculum.



Industrial Visit at Automation Expo, Pragati Maidan, Delhi

Online STC On “BIG DATA APPLICATION IN ELECTRICAL ENGINEERING”

The Department of ECE organized an online STC on “BIG DATA APPLICATION IN ELECTRICAL ENGINEERING” on 20 Feb 2023 to 24 Feb 2023 at 10:00 AM onwards under the nodal center of NITTTR CHANDIGARH. The Patrons of this Event were Prof. (Dr.) JK Sharma and Dr. S.S Tyagi. This activity was coordinated by Prof. (Dr.) Seema Nayak and Co-Coordinated by Mrs. Sandhya Bhardwaj. Thirty seven faculties attended this online STC from IIIMT group of institutions and other colleges.

Online STC
on
"BIG DATA APPLICATIONS IN ELECTRICAL ENGINEERING"
Organized by
Department of Electronics & Communication Engineering
(Nodal center of NITTTR, Chandigarh)

HANDS ON TRAINING COURSE CONTENT

- ▶ Introduction to Big Data Analytics and AI
- ▶ Real World Data acquisition using Indoor Air Pollution Monitoring (Hardware demo)
- ▶ Loading & Understanding Data with Statistics
- ▶ Understanding Data with Visualization
- ▶ Preparing & Pre Processing Data (Numerical & Categorical)
- ▶ Feature Analysis/Selection
- ▶ Theoretical Introduction to ML Algorithms
- ▶ Building a Classification Model from Scratch with Data
- ▶ Building a Regression Model from Scratch with Data
- ▶ Case Study 1 : Deep Learning & Big Data
- ▶ Case Study 2 : Deep Learning & Big Data

PATRONS

Prof. (Dr.) J K Sharma
Executive Director
IIIMT Group of Colleges

Dr. S.S. Tyagi
Director
IIIMT College of Engineering

COORDINATOR

Prof. (Dr.) Seema Nayak
MCO, ECE
IIIMT College of Engineering

CO-COORDINATOR

Ms. Sandhya Bhardwaj
Assistant Professor
IIIMT College of Engineering

Date : 20th – 24th February, 2023

The applicants have to pay the course fee Rs. 100 (Faculty and Technical staff) or Rs. 500 (Research scholars) for each course they apply.
<http://fdp.nitttrchd.ac.in/bachingsup/>
Request Venue - from Department of Electronics & Communication Engineering, IIIMT College of Engineering, Greater Noida

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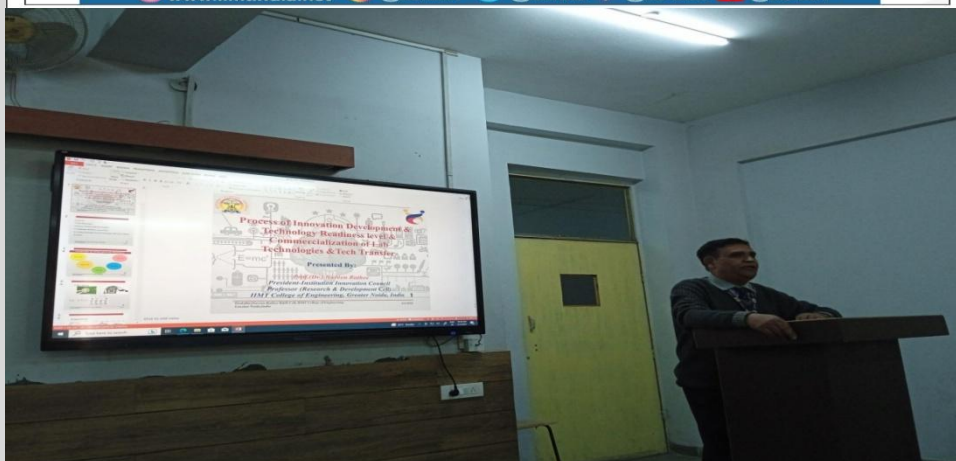


Online STC on Big Data Application in Electrical Engineering

Guest Lecture On “Process of Innovation Development & Technology Readiness Level & Commercialization of Lab Technology & Tech Transfer”

The Department of ECE organized a Guest Lecture on the topic, “Process of Innovation Development & Technology Transfer Readiness Level & Commercialization of Lab Technology & Tech Transfer” on 27th February 2023, under IIC. The Guest Speaker was Dr Naveen Rathee, IIC president of IIMT College of Engineering, Greater Noida.

The poster is for a guest lecture organized by the Institution's Innovation Council (IIC - IIMT) and the Department of Electronics & Communication Engineering. The speaker is Dr. Naveen Rathee, President of the Institution's Innovation Council at IIMT College of Engineering, Greater Noida. The event is scheduled for Monday, 27th Feb 2023, at 12:00 PM onwards in the Vishveshwarya Hall. The faculty coordinator is Ms. Zaiba Ishrat and the student coordinator is Anisha Anand. A QR code is provided for registration. Social media handles for IIC, IIMT, and IICIIMT are listed at the bottom.



Guest Lecture on “Process of Innovation Development & Technology Readiness Level & Commercialization of Lab Technology & Tech Transfer

PPT Presentation Competition On

“Tech solutions for pollution Control and Measures”

The department of ECE organized PPT presentation competition on topic “Tech solutions for pollution Control and Measures” under the Innovation Club “Electro Infinity” on 28th February 2023 from 3:20 onwards. This activity of club aims to provide a platform to the students to gain the knowledge of future technology practical skills and realize projects. For students, such activities open many doors for corporate training and internships, which in turn increases the students’ employability. Often, many students are offered PPOs as a result of fruitful interaction between the company’s HR and students.



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PPT PRESENTATION ON

**“TECH SOLUTIONS FOR
POLLUTION CONTROL AND MEASURES”**

UNDER INNOVATION CLUB “ELECTRO INFINITY”

REGISTRATION LINK:
[HTTPS://FORMS.GLE/UA3DLWEV64LRC4JS7](https://forms.gle/UA3DLWEV64LRC4JS7)

DATE: 28TH FEB 2023 | TIME: 3:20 TO 4:50 PM

VENUE: ROOM NO. E 304 NEW B.TECH BUILDING

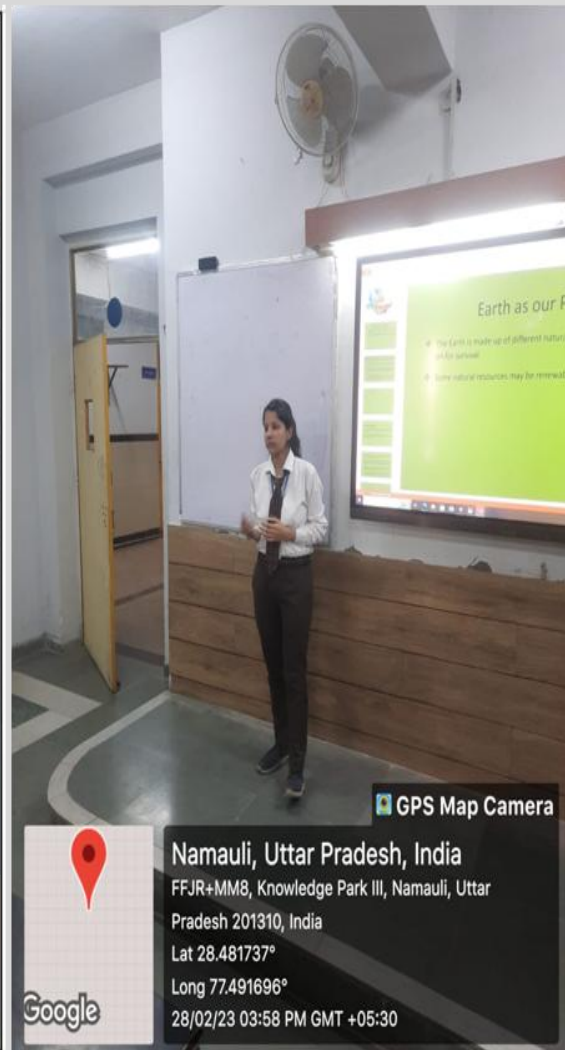
STUDENT COORDINATOR: ANISHA ANAND AND OAM TRIPATHI (B.TECH ECE 3A)

PATRONS
Prof. (Dr.) S.S. Tyagi
Director
IIMT College of Engineering

Dr. Seema Nayak
HOD, ECE
IIMT College of Engineering

COORDINATOR
MRS. SHEETAL NAGAR
Assistant Professor
IIMT College of Engineering

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PPT Presentation Competition on “Tech solutions for pollution Control and Measures”

Industrial Visit at Truechip Solutions, Noida

The Department of Electronics and Communication organized an industrial visit at Truechip Solution Noida on 24th February 2023. The 3rd year ECE students visited Truechip Solutions, Noida. Here, they learnt the market of the VLSI Industry and the weightage of the ECE branch.

Our students also interacted with Truechip company CEO Mr Nitin Kishore. He shared the company profile and job scope for ECE students. One of our alumni Mr Shubham Kumar also interacted with our IIMT students.



Industrial Visit at “Truechip Solutions”, Noida

Students Corner

Ms Samiksha Tiwari student of third year received an internship certificate from Atomic Minerals Directorate for Exploration and Research, New Delhi.



Editorial Board

Chief Editor:

Prof.(Dr) Seema Nayak
(HOD ECE)

Co Editor:

Ms Arpana Mishra
(Assistant Professor)

Student Editor:

Priya Daksh (ECE 4A)
Chandan Kumar (ECE4A)
Om Tripathi (ECE 3A)