

# Newsletter

# Poly यांत्रिकी

IIMT  
COLLEGE OF POLYTECHNIC  
Greater Noida  
—Aim For Excellence—



July- September, 2022 , Issue- X, Volume-XIII  
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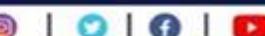


मैकेनिकल इंजीनियरिंग और इलेक्ट्रिकल  
इंजीनियरिंग के 36 छात्रों का ध्यान



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## MANAGEMENT CORNER



**Mr. Zakir Ali,**  
Head of Department  
Mechanical Engineering

### ROBOTICS& MACHINE LEARNING

Robotics and machine learning are the technologies that have brought a drastic change in the world. These technologies are gaining popularity and also enhancing the curiosity among the students. The advent of these technologies has been possible because of the advancement in science and creativity of humans.

Robotics and machine learning are the flourishing technologies of the future. There will arrive a time when machine learning will be enhanced and most of the work will be performed by robots. Artificial intelligence and Robotics are two different terms but are interrelated with each other. It is because of artificial intelligence that the robots are made by the application of the concept of machine learning.

Robotics is regarded as a branch resulting from the combination of computer science and engineering. This field includes designing, construction, operation, and utilization of robots.

The branch robotics involves the integration of the concepts of several fields like mechanical engineering, electrical engineering, information engineering, electronics, bioengineering, control engineering, mathematics, software engineering, etc. The major vision was to design a machine that would assist and guide human beings in doing different tasks. It can not only help human beings but also take the place of human beings as they can perform in a similar way humans do.

### Machine Learning Having A Major Role in Modern Robotics

#### The Rising Trend Of Robotics And Machine Learning

The advancement in technologies is taking place at a very fast pace. This results in the development of new technologies every now and then. The conversion of normal machines and their working as smart machines has also been possible because of the advancement in technology. The machine learning-induced in the machines makes it intelligent and performs the tasks themselves without the intervention of human beings. Such smart appliances are of great benefit to human beings.

The day is not far when robots will be sitting beside the humans in every firm for doing all the work that human beings do. Moreover, the advancing intelligence in the machines might lead to the evolution of robots that would be able to understand human emotions very well. This will be beneficial as well as a challenging gift to the entire humanity.

Robotics with the application of AI and machine learning is now considered the best option in different industries. This advancement in robotics will soon be able to produce such robots that will be exactly similar to human beings. It is evident that productivity, quality, and work all increase by the use of modern robotics, and this helps in excelling in different sectors. Every technology has some positive and negative effects and the same is applicable to the technologies named Robotics and Machine Learning.

## AAGHAZ-2022



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)

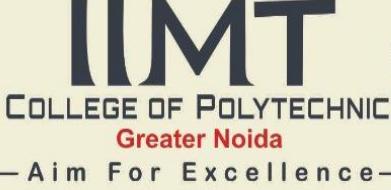
**5 Days Orientation Cum Induction Programme**

**Date - Monday, 26<sup>th</sup> September, 2022**

**Time - 10:00 AM to 01:20 PM**

**Venue - C. V. Raman Hall,  
B.Tech. Building, 'A' Block**

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**Aaghaz 2K22**

PATRON	PRESIDENT	DIRECTOR
Mr. Zakir Ali HOD, ME IIMT College of Polytechnic	Prof.(Dr.) Bhaskar Gupta IIC President, IIMT College of Polytechnic	Prof. Umesh Kumar Director, IIMT College of Polytechnic

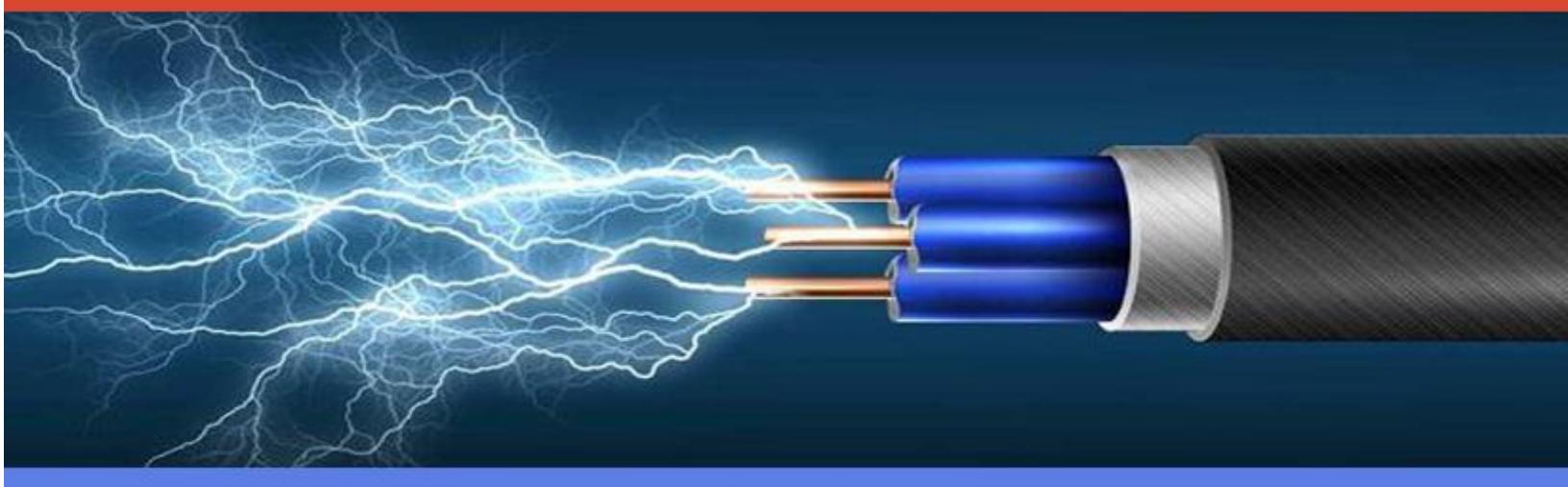
IIMT College of Polytechnic, Greater Noida successfully completed 10th Orientation Program, AAGHAZ, 2K22, on 26.9.22.

The program started with light lamping and prayer of goddess Sarswati. Managing Director, Dr.MayanakAgarwal, welcomed and wished the freshers through his video message.

Ms.Aiswarya Lakshmi. BSA, GB Nagar was the Chief Guest of the event , she congratulated all the students for seeking admission at IIMT College of Polytechnic, which is one of the best polytechnic college in Uttar Pradesh, Prof. Dr. MK Soni , Director General, IIMT group of Colleges, blessed and congratulated all the students. He addressed them by saying all students that they should be punctual, disciplined and be regular to the classes.AluminiMr.VikashPandy shared his experience to the freshers about academic session, activities, examinations, and placement in our college in a simple way.Placement Head Mr.KailashPatnayak,has presented his PPT about trainings and placements to the students. Prof. Umesh Kumar, Director, IIMT College of Polytechnic, welcomed parents and students. He has motivated the students by his great speech. HODs from various departments also addressed the gathering about their department activities, achievements, and labs.The program ended with vote of thanks proposed by coordinator of this activity Mr.PramodSajwan. . Media people were also present there. Talking with media person, fresher shares their experience of the day, and they were pleased.



# Department of Electrical Engineering



## 5 Days Workshop

The five-day workshop was conducted for the students of, EE, one from 8th Sep to 13th Sep. The invited speaker from CETPA InfoTech Pvt Ltd., Noida delivered lecture and gave knowledge about training and workshop opportunities in the PLC, DIAC, and CLOVIA & CEPTA. Mr . Ravi Kant, an expert on PLC and having rich experience in this area, 1st day lecture delivered a talk on. She gave a detailed introduction to and discussed its impact in our day-to- day life. The sessions held in the workshop were highly interactive and the participating faculty and students of the institute were greatly benefitted by the knowledge shared by the speaker.



## Industrial visit

The Department of Electrical Engineering organized an industrial visit for one-day visit to REI Expo, Greater Noida. This visit was organized on 29th Sep 2022 for, 2nd year and 3rd Year EE students. A total of 35 students visited the Centre. The visit was organized with the prior permission and guidance of Director Mr.Umesh Kumar, Dean Academic Dr.Bhaskar Gupta, Dean R&D Dr. Suresh Prasad and HOD of Electrical Engineering Department Mr.Achal Kumar. Faculty members (Mr.Mirtunjay Kumar, Mr.Dharmendra Kumar Sharma and Ms.SakshiRana, Ms.AnshumannAnshu) coordinated the visit.





# Department of Civil Engineering



## 5 Days Workshop

The civil department has arranged a 5 days' workshop on software Revit Architecture for civil engineering students from 10th September to 15 September 2022. Overall, 150 faculty and students have participated in this workshop.

The inaugural function of workshop was done in presence of Mr.Shekhar Sawant Head of civil Department on starting day of workshop with SE and TE civil students.

Revit Architecture is recent software in civil field and mostly used for building planning and modelling. Mr.Sanjeev kr. Sharma has given lecture on Revit for 5 days and his team support to students for practicing. Mr.Kartik Gupta leads CEPTA Pvt. Ltd. CETPA offers a career focused education with dynamic learning environment and provides course material. From last few years, he provided training to students on different software at CATA.

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**5 Days Workshop**  
Organized By

Day 1 <sup>st</sup>	Day 2 <sup>nd</sup>
<p>Date : 10<sup>th</sup> September, 2022 Time : 02:00 PM Onwards</p> <p> <b>Mr. Mukesh Kr. Jha</b> Senior Software Developer CLOVIA, NOIDA Topic - "PYTHON"</p>	<p>Date : 12<sup>th</sup> September, 2022 Time : 02:00 PM Onwards</p> <p> <b>Mr. Kartik Gupta</b> Corporate Trainer CEPTA, NOIDA Topic - "IOT"</p>
Day 3 <sup>rd</sup>	Day 4 <sup>th</sup>
<p>Date : 13<sup>th</sup> September, 2022 Time : 12:00 PM Onwards</p> <p> <b>Mr. Rajeev Kr. Sharma</b> Corporate Expert Topic - "REVIT ARCHITECTURE"</p>	<p>Date : 14<sup>th</sup> September, 2022 Time : 12:00 PM Onwards</p> <p> <b>Mr. Rajeev Kr. Sharma</b> Corporate Expert Topic - "ETAB"</p>
Day 5 <sup>th</sup>	Mode Online
<p>Date : 15<sup>th</sup> September, 2022 Time : 10:00 AM Onwards</p> <p> <b>Mr. Avesh Bhatnagar</b> Sr. Engineer Sofcon India Pvt. Ltd Topic - "CIVIL AUTOCAD"</p>	<p> Microsoft Teams</p> <p><b>COORDINATOR</b> Mr. Vikash Kumar Gautam DYHO-DCE IIMT College of Polytechnic</p>
PATRON	CO-PATRONS
<p>Prof. Umesh Kumar Director IIMT College of Polytechnic</p>	<p>Dr. Bhaskar Gupta Dean (A) IIMT College of Polytechnic</p> <p>Dr. Suresh Prasad Dean R&amp;D IIMT College of Polytechnic</p> <p>Mr. Rajiv R. Singh HOD - CE IIMT College of Polytechnic</p>

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## Department of Mechanical Engineering



### Vishwakarma Jayanti

Vishwakarma Jayanti being a special day for Mechanical Engineering Department, We have organized Vishwakarma Pooja on 17th September 2022 at workshop lab of IIMT College of Polytechnic, Greater Noida.

The photo of Lord Vishwakarma is kept at the workshop for devotional activities. Mr. Harvir Singh and Mr. Jaiveer Singh worship their machinery as a personification of Lord Vishwakarma. In this event, Mr. Pawan Kumar Program Coordinator-ME (P) has worshiped the god of creature that is Vishwakarmaji in our mechanical workshop. There were many faculties present of mechanical department as well as other departments like civil engineering, Electrical Engineering and applied science.

After the worship of Vishwakarmaji, Prasad (sweets) was distributed to all the members present in the polytechnic building on that day.



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**Minor Activity**  
Organized By  
**Department of Mechanical Engineering**

### Vishwakarma Pooja

Date - 17<sup>th</sup> September 2022 | Time - 11:00 AM - 12:40 PM

**Venue**  
Workshop Lab, IIMT College of Polytechnic

**COORDINATOR**  
Mr. Tribhuwan Singh  
Coordinator ME-M  
IIMT College of Polytechnic

**PATRON**  
Prof. Umesh Kumar  
Director  
IIMT College of Polytechnic

**CO-PATRONS**  
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HOD - ME  
IIMT College of Polytechnic

Mr. Tribhuwan Singh  
Coordinator ME-M  
IIMT College of Polytechnic

Mr. Pawan Kumar  
Coordinator ME-P  
IIMT College of Polytechnic

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## Faculty Corner



**Mr. Dharmendra Kumar**  
Lecture CE Dept.  
IIMT College of Polytechnic

## Student Corner



**Satyam Shivam**  
CE 3<sup>rd</sup> Year  
IIMT College of Polytechnic

Water is a highly required natural resource for the circulation of life on Earth because water is the basic need for survival of life at any place. So, the Importance of water cannot be compared with anything else and no one substance can replace the water on earth. India's ISRO Chandrayaan mission-1 was discovered the presence of water on moon. So, we can understand that how much water is significant for survival in any type of life. Despite the abundance of water on Earth, approx. whole world facing freshwater scarcity. Even though 70% earth surface is covered with water, however there is only 0.3% is fresh water available for us. Due to the huge presence of water on earth, this planet is known is a blue planet. The amount of usable water is very little. But as the population increased day by day, human consumed more water as well as wasting water and polluting it in an uncontrolled way.

So, to prevent water scarcity, water conservation is the best remedial measure. Water conservation deals with the preservation, control, and development of water resources, both surface water and groundwater, and prevention measure of water pollution to preserve the ecosystem. Importance of Water Conservation in All the organisms whether it is human, animals, or plants. All these are totally depended on pure and freshwater. We have bad habit like just use fresh water in a way that like it is unlimited.

Child labor is the illegal act of forcing young children to work. Nearly 40% of children reportedly work in the field of forcefully child labor. Government agencies and organizations should oppose child labor and free children from the abuse and cruelty that accompanies it. The use of children in the production of goods and services is called child labor. They receive minimum wage, which leads to their exploitation. They are forced to work longer hours and are paid very little in return. Children can be easily manipulated and forced into all kinds of work. Some parents willingly send their children to such activities. Some parents are unable to earn enough to meet the basic needs of their family. However, some parents refrain from sending their children to work for a living. Child labor is the one of the social problems requiring immediate attention of the authorities. Child labor refers to work done by children and young people to earn a living and support their families.

According to one report, about 25% of children in the world's poorest and poorest countries are in child labor. A major cause of child labor in India is the high rate of poverty, in which children work to earn a day's bread. Schools are inaccessible in many rural areas due to lack of adequate school facilities. Low-wage economies thrive on low costs, easy employment, and child labor.

Child labor is the illegal act of forcing young children to work. In India, several industries force children to work illegally.



## Reviewer Page

We express sincere thanks to the reviewers of this newsletter for giving his/her precious, valuable and encouraged and voluble suggestions.



### FROM THE EDITOR'S DESK

Dear Readers,

This thanks of note goes to all the contributors like Dean Academics, HoD's - Electrical, Mechanical, Civil, Event Coordinators, Faculty and students those who have contributed their articles to make this Newsletter complete. At the last but not least thanking to Director Sir for his guidance, vision and time.

**PROMOTER**

**Prof. Umesh Kumar**  
Director

**CO- PROMOTER**

**Dr. Bhaskar Gupta**  
Dean Academics



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