

# IIMT

## COLLEGE OF ENGINEERING

### Greater Noida



— Aim For Excellence —

## MECHATROMA

A Quarterly Publication of Department of Mechanical Engineering

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## From Editor's Desk

Dear readers,

As the new session started, I am happy to reflect on all the achievements that the Department of Mechanical Engineering, IIMT has accomplished. With our students', faculty members' efforts to continued groundbreaking research, I am proud of everything we have achieved in this quarter.

The Department has conducted one minor activity and Vishwakarma pooja in the month of September. Our faculty members have done a great job in research publication and book writing.

Our students have performed very well in sports. I also wish to commend the work everyone is doing to celebrate diversity and equity within the department.

Thanking you all,

**Mr. Krishna Kumar Karothiya**  
Chief Editor & HOD  
Dept. of Mechanical Engineering



### Quote for Quarter

“You can get everything in life you want if you will just help enough other people get what they want”

## Vishwakarma Pooja in the department

- According to the Hindu mythology, Lord Vishwakarma is regarded as the divine engineer and creator of the world. On 17th of September, at IIMT college of Engineering, Greater Noida, Staff members, workers and students gathered to commemorate the birth of Lord Vishwakarma who is the builder of all Gods' palaces and craftsmen of all celestial vehicles and weapons.
- The ceremony took place in the workshop where in all members prayed for the success and abundance in work, safety in working conditions and for a brighter and better future.



## Technical Quiz competition (Mechanical Engineering)

- The Department of ME has organized a technical quiz competition on basics of mechanical engineering (especially designed from the technical competitive exam syllabus of mechanical engineering). The quiz was organized on 29<sup>th</sup> of Sep. in the CAD Lab. A total of 56 students registered themselves for the competition and 43 participated in the quiz.

Jatin Kumar BE (Mechanical Engineering) III year student scored highest marks and got first position in the competition. He was awarded with the certificate of Merit.

**IIMT**  
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Department of Mechanical Engineering  
is Organizing

Minor Activity

# Technical QUIZ

📅 29<sup>th</sup> September, 2022  
🕒 12:00 PM Onwards  
📍 Autocad Lab, Block 'A'  
IIMT College of Engineering

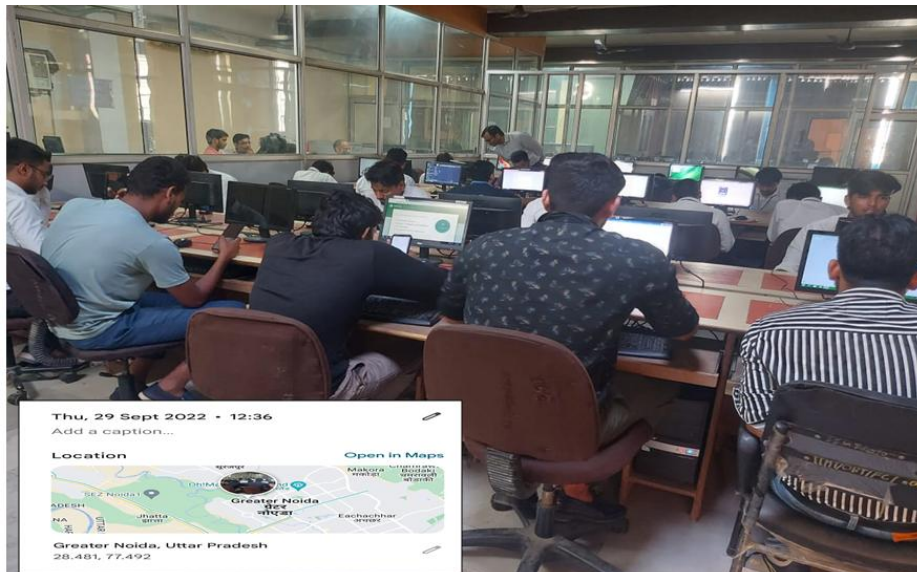
**PATRONS**

Prof. (Dr.) S.S. Tyagi Director IIMT College of Engineering	Mr. Krishna Kumar HOD, ME IIMT College of Engineering
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**COORDINATOR** Mr. Vishal Vasistha & Dr. Sumit Mahajan, Assistant Professor, IIMT College of Engineering

NAAC National Board of Accreditation  
NSI National Society of Institutional Management  
nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK  
2018 Assessed Private Management Institutions  
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**“Mechanical Engineering, IV Year Student stood II in Table Tennis in AKTU Zonal Championship held at JSS Noida”**

It is a proud moment for the IIMT college of Engineering, Greater Noida that Mr.Irfan, student of IV year Mechanical has won the II prize in table tennis competition in AKTU Zonal Championship held at JSS Noida. Department congratulates him for his achievements and wishes him a bright future ahead. He was also awarded trophy and rewards from the IIMT College of Engineering.



## Research Paper/Book Chapter/Conference Paper

S.No.	Title of Paper	Name of Author(s)	Name of Journal/Publisher	Volume, Issue, Page Numbers	Month and Year of Publication
1.	Investigations on wetting and structural behavior using CaF <sub>2</sub> -SiO <sub>2</sub> -CaO-22.5%TiO <sub>2</sub> SMAW electrode coating for AUSC applications	Dr. Sumit Mahajan	ImechE- Part L (SAGE) (Sci)	Under Review	Sep 2022 (Submitted)
2.	Impact of Pemulen TR-2 Polymer on Storage Stability and Corrosion Study of a Novel Hydrous Ethanol-Diesel-Al <sub>2</sub> O <sub>3</sub> Nanoemulsified Fuel	Mr. Vishal Vasistha	Springer (Scopus)	Revision submitted (4 Sep. 2022)	(Tentative Publication – Dec 2022)
3.	An overview of water-ethanol-diesel blend in compression ignition engines	Mr. Vishal Vasistha	Springer (Scopus)	Revision submitted (4 Sep. 2022)	(Tentative Publication – Dec 2022)
4.	Implementation of response surface methodology (RSM) optimization technique to optimize hydrous ethanol-diesel-Al <sub>2</sub> O <sub>3</sub> nano (HEDA) emulsified fuel-related parameters based on diesel engine performance and emission characteristics	Mr. Vishal Vasistha	Taylor & Francis (Scopus)	Under Review	(Tentative Publication – March 2023)
5.	Indian tradition culture and society	Mr. Krishna Kumar	VSRD Academic Publishers India	Published	July-2022

➤ **Chief Editor**

**Mr. Krishna Kumar Karothiya**  
**Assistant Professor and HOD**  
**(ME)**

➤ **Faculty Members**

**Dr. SumitMahajan**  
**Mr. Vishal Vasistha**

➤ **Student Member**

**Aman Kumar Jha (IV Year)**  
**Nikhil (III Year)**