




MECHATROMA

Department of Mechanical Engineering



 www.iimtindia.net

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Greater Noida (U.P.)

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July-Sept. 2023

VOLUME XVIII, ISSUE 3
NEWSLETTER

From Chief Editor's Desk



Prof. Krishna Kumar Karothiya
HOD, Mechanical Engineering

Dear Readers,

I hope this message finds you all in good health and high spirits. As we approach the end of another productive quarter, it's time to prepare our quarterly newsletter to highlight the latest developments, achievements, and updates within the Mechanical Engineering Department.

We encourage all faculty members, researchers, and students to contribute to this newsletter by submitting articles, research findings, project updates, or any other noteworthy information related to our department.

We believe that our collective efforts and expertise will make this Newsletter an informative and

inspiring resource for everyone in our department. Let's continue to foster collaboration and innovation as we move forward.

Thank you for your contributions and dedication to the Mechanical Engineering Department.

We look forward to receiving your submissions and creating a Newsletter that reflects the passion and excellence of our team.

Wishing you all the best in your endeavors.
Sincerely,

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

The only way
to do
Great Work
is to love what you do.

~Steve Jobs

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Quiz Competition On GK and General Science

On 14th September 2023, the Department of Mechanical engineering organized a Quiz Competition on GK and General Science for the students of B.Tech (Mechanical Engineering). A total of 48 students appeared in Quiz Competition and Satyam Kumar was the winner of quiz.



The flyer features the IIMT logo at the top center, with the text 'IIMT COLLEGE OF ENGINEERING Greater Noida' and the motto '— Aim For Excellence —'. Below this, it states 'Department of Mechanical Engineering is Organizing GK AND GENERAL SCIENCE QUIZ! competition'. The date and time are 'Date : 14th Sept. 2023 | Time : 12:00 PM to 12:30 PM'. At the bottom, it lists the organizers: Mr. Krishna Kumar (HOD, ME, IIMT College of Engineering), Dr. S.S. Tyagi (Director, IIMT College of Engineering), and the coordinators Mr. Dhruv Kumar and Mr. Dhananjay Kr. Raman. Social media handles for IIMT are provided at the very bottom.

IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

Department of Mechanical Engineering is Organizing
GK AND GENERAL SCIENCE
QUIZ!
competition

Date : 14th Sept. 2023 | Time : 12:00 PM to 12:30 PM

Mr. Krishna Kumar
HOD, ME
IIMT College of Engineering

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

COORDINATOR
Mr. Dhruv Kumar
Mr. Dhananjay Kr. Raman

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Session On Innovation/Prototype Validation – Converting Innovation into a Start-up

On 19th August 2023, a Session on “Innovation/Prototype Validation – Converting Innovation into a Start-up” was successfully organized by the Department of Mechanical Engineering and IIC-IIMT Cell.

The Chief Guest Dr Kumar Rohit spoke about product design and innovation. He explained the nuances of Product Analytics is transmuting the entire new product development (NPD) process and the associated manufacturing environment locally as well as worldwide applying the core principles of 'analytics' while introducing the advanced versions of new product variants (NPVs). He also spoke about substantial transformations taking place to innovate and develop NPVs and also emphasized on digital era of PDA that facilitates data-driven decision-making to develop 'smart products' transforming the available data into valuable information for the 'smart NPD process'



Dr. Kumar Rohit during the delivery of the session

Session On Challenges and Risks of Digitalization in Smart Manufacturing

On 23rd August 2023, the Department of Mechanical Engineering organized a session on **“Challenges and Risks of Digitalization in Smart Manufacturing”**. The guest Speakers were Dr. Aseem Kr Mishra, (Asst. Professor, Birla Institute of Management and Technology Greater Noida) and Mr. Sunil Kumar Ojha, Assistant Professor, IIMT College of Engineering, Greater Noida.

Dr. Aseem Kr Mishra talked about smart manufacturing, digitalization in smart manufacturing, its different components, etc. and then he talked about the benefits of smart manufacturing as Optimum Resource Utilization like Competitive Edge with regards to cost.

Mr Sunil Kumar Ojha talked about the basics of smart manufacturing and different barriers in the way to digital transformation like lack of skills, cyber security concerns, capital expenditure, and digital infrastructure.



Dr. Aseem Kumar Mishra During delivering session

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Placement

From our 2024 batch, 6 students have been selected in Jubilant FoodWorks Pvt Ltd in the first week of opening new semester and more companies are coming in the coming months with good packages for placement. Congratulations to all students.

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Congratulations

Jatin Singh
B.Tech ME

Shubham Prasad
B.Tech ME

Vipul Gupta
B.Tech ME

Abhishek Thakur
B.Tech ME

Batch- 2024
For Being Placed in

JUBILANT
FOODWORKS

Ayush Yadav
B.Tech ME

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Faculty Development Programs

Department of Mechanical Engineering

- **Mr Krishna Kumar Karothiya, Mr Dhruv kumar, Mr. Saswat Das** and other faculty-members attended One-week Faculty Development Program on **AWS Cloud Infrastructure** which was organized by **Brainovision Solutions India Pvt Ltd** (21/08/2023 to 25/08/23).
- **Mr. Saswat Kumar Das** attended a Two-week Faculty Development Program on Entrepreneurship, which was organized by **DST, IIC Cell with Galgotia University Greater Noida** (03/08/2023 to 17/08/23).



Patent

Dr. Vishal Vasishtha published an Indian patent titled: Process of Implementing IOT to Decarbonise Road Transport and Mitigate Global Emission Using Electric Vehicles on 21 July 2023.

Application Details	
APPLICATION NUMBER	202311040804
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/06/2023
APPLICANT NAME	1 . Ms. Mona Devi 2 . Mr. Monu Kumar 3 . Dr M. Mageswari 4 . Ms. Vaishnavi Bansal 5 . Dr Senthil Kumar S 6 . Mr. Akash Anand 7 . Mr. Udit Mittal 8 . Mr. Amit Singh Rajput 9 . Dr Harshvardhan P. Ghongade 10 . Prof Anjali Ashokrao Bhadre 11 . Mr. Praveen Kumar Yadav 12 . Mr. Aungkar Bhagat 13 . Mr. Sunil Kumar Sharma <u>14 . Mr. Vishal Vasishtha</u> 15 . Mr. Mohit Gupta
TITLE OF INVENTION	PROCESS OF IMPLEMENTING IOT TO DECARBONISE ROAD TRANSPORT AND MITIGATE GLOBAL EMISSION USING ELECTRIC VEHICLE
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	info@lexgin.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	21/07/2023

3rd N.C Gupta Memorial Football Tournament-2023

On 16th September 2023, Student of Department of Mechanical Engineering participated in "3rd N.C Gupta Memorial Football Tournament-2023" at Jamia Millia Islamia Sports Complex, Delhi. The participating teams were RICS School of Built Environment, Amity University, Pusa Institute of Technology, Delhi Technological University, IIMT College of engineering, Sharda University and ABES Engineering College. The winner of the Tournament was Sharda University and 1st runner-up was Amity University and 2nd runner-up was the IIMT College of Engineering, Greater Noida.



Students of Department of Mechanical Engineering, IIMT College of Engg at Tournament

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Department of Mechanical Engineering



CHIEF EDITOR

Prof. Krishna Kumar Karothiya

Assistant Professor and HOD (Mechanical Engineering)

Faculty Members

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Mr. Vishal Vasistha

Student Member

Mohit Sharma (4th Yr.)
Nikhil (4th Yr.)

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