

IIMT
COLLEGE OF ENGINEERING
KP-III, Greater Noida
— Aim For Excellence —



MECHATROMA

A Quarterly Publication of Department of Mechanical Engineering

Volume IV, Issue 6, October – December 2021



From Editor's Desk

Dear Readers,

It is my great pleasure and privilege to present your departmental Newsletter. It is an attempt to update the faculty and students with the current happenings in the department. It's a matter of pride that the faculty-student community of the department is striving for greater heights and achievements.

The department emphasizes a deep understanding of fundamental principles and knowledge of Manufacturing Technology, Machine Design, Thermal, and Industrial Engineering.

I wish all the best to all students, staff, and faculty members of the department, and I hope that this issue of the departmental newsletter will encourage them to keep doing good work.

Krishna Kumar Karothiya

Acting (HOD, ME)



Quote for Quarter

“Literacy in itself is no education. Literacy is not the end of education or even the beginning. By education I mean an all-round drawing out of the best in the child and man-body, mind and spirit.”(Mahatma Gandhi)

NEW FACULTY JOIN ME DEPARTMENT

1. Dr. Ganesh Shirsath has joined as Associate professor in the mechanical department. He has completed his PHD from IIT KANPUR and POST DOC from IIT DELHI and South Korea KOREATECH in the field Mechanical Engineering with renewable energy.



Training & Placement

I am Happy to inform that following students of Department of mechanical engineering IIMT , Greater Noida has been selected from on off campus recruitment drive by **different companies**

Name of students	Company Name	Package (LPA)
Rakshit Sumbria	Learning Routes	5.34 LPA
Shivansh Yadav	Ajay Kumar Contractor	2.50 LPA
Pankaj Rathour	Accord Electropower	2.16 LPA

Aamir Ali khan	NIIT Ltd.	4.00 LPA
Vidit Goswami	Trabs International	3.00 LPA
ABHISHEK MAURYA	Wipro	3.50 LPA

Research work

- ▶ Two Patent Filed and submitted by **(Prof.) Dr. Anand Singh** and **Associated prof. Dr. Ganesh Shirsath** correspondingly
- ▶ Two Copy Rights Submitted by Assistant professor **Mr. Krishna Kumar Karothiya**
- ▶ One Prototype by Assistant professor **Mr. Dhruv Kumar**
- ▶ One Startup by Assistant professor **Mr. Sunil Ojha**
- ▶ Two paper published by Assistant professor **Mr. Suraj Bhan**
- ▶ One funded Project submitted to DST by **Associated prof. Dr. Ganesh Shirsath** cost of Project 10.5 Lac
- ▶ One Guest Lecture at **IITB** by **Associated prof. Dr. Ganesh Shirsath**

Conference on New Horizons in Science, Engineering, Management and Humanities

- Department of Mechanical Engineering along with department of civil , applied science and MBA have organized the National Conference on New Horizons in

Science, Engineering, Management and Humanities on 22nd Dec 2021.

- About 130 research papers were received and 70 research papers have been selected for conference proceeding.



FDP :Biowaste to Bioenergy: A future sustainable energy source"

- FDP attended by department Faculty , Title as :Biowaste to Bioenergy: A future sustainable energy source" from 14/12/2021 to 18/12/2021 at Motilal Nehru National institute of Technology Allahabad, Prayagraj is attended by following faculty

Mr.DHANANJAY KUMAR RAMAN

Mr.NIKHIL GUPTA

Mr. S.P.GUPTA

Mr.SUNIL KUMAR OJHA

Mr. SURAJ BHAN



1. Guest Lecture On “Drone next Frontier in Mechanical Engineering”

The Department of ME organized a Guest Lecture on “Drone next Frontier in Mechanical Engineering” on 21st Oct 2021. Mr. Steven David (CEO, Rudra Robotics Pvt. Ltd Greater Noida) started his lecture with a few examples on the Drone technology in which students can learn new technology about the drone. The guest speaker Mr. Steven David focused on the generating new innovative ideas in the students and faculty about the drone technology he also discussed rule and regulation for drone manufacturing and flying.



2. WORKSHOP ON DESIGN SOFTWARE on 22nd Nov 2021

The Department of ME organized a Guest Lecture and workshop on “DESIGN SOFTWARE” on 22nd Nov 2021. Mr.

Naresh Bhagat (Director at LeLogix Design Solutions Pvt. Ltd. and LeLogix Business Solutions Pvt. Ltd. Greater Noida) started his lecture with a few examples of design Software Company in which students can learn new technology about the design software. Mr. Naresh Bhagat has explained the basic introduction of solid work, CATIA 5 and Give idea about them. He also inform about company which are using CATIA OR SOLIDS WORKS.



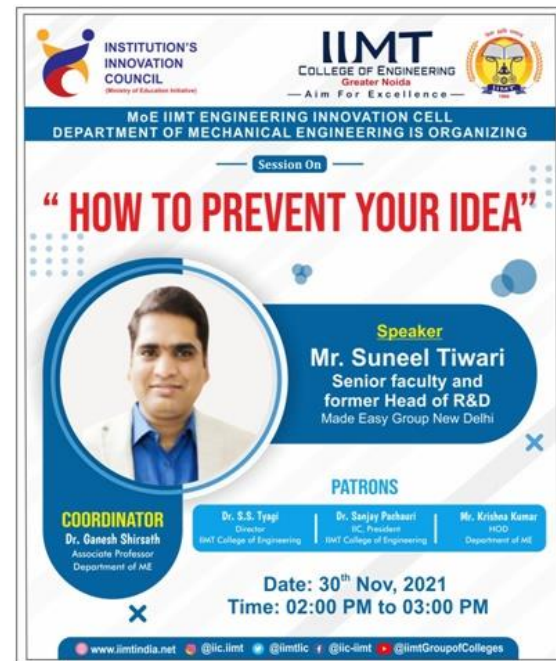
3. Competition on “Idea Generation Competition” on 25 Nov 2021

The Department of ME organized an Idea Generation Competition under the theme air pollution, agriculture for the students of ME department, about 85 students has participated, and given wonderful ideas.



4. Guest Lecture on “How to prevent your Idea” on 30 Nov 2021

MoE, IIMT Innovation Cell and Department of Mechanical Engineering have organized a Guest Lecture on “How to prevent your Idea” on 30th Nov 2021. “. Mr. Suneel Tiwari (Senior Faculty and former Head of R&D , Made Easy Group New delhi) started his lecture and said about current scenario of opportunities in the field of business, start up. He discussed how important to protect Idea, design, process methodology to do business and start up. He discussed about Intellectual properties right, its validity, Rules & regulation in India. Mr. Suneel also said about how to registered your idea, product design to remain in business unique.He said This helps ensure that you will profit from your work without fear of exploitation by competitors.



5. Workshop and Guest Lecture On “HVAC SYSTEMS” on 1st Dec 2021

Department of Mechanical Engineering have organized a Guest Lecture on “HVAC System” on 1 dec 2021. Mr.Vicky Kumar (Design Engineer, Sofcon India Pvt Ltd Greater Noida) started his lecture with introduction of his company, then he explains about unit of refrigeration and air conditioning. Mr. Vicky then discussed about the different parameter to design HVAC system. Then he talks about cooling load calculation with the help of excel sheet software and he also told about different software which are used in load calculation, duct design. Mr. Vicky Kumar also gave brief introduction of different air conditioning and Refrigerants.

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DEPARTMENT OF MECHANICAL ENGINEERING IS ORGANIZING

Guest Lecture on

HVAC SYSTEM

Guest Speaker
Mr. Vicky kumar
Design Engineer
Sofcon india pvt Ltd

Venue : Sarabhai Hall

Date: 01st December, 2021 | Time: 02:00 PM Onwards

COORDINATOR
Mr. Dhananjay Kr. Raman
Assistant Professor
IIMT College of Engineering

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

Mr. Krishan Kumar
HOD (ME)
IIMT College of Engineering

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6. Industrial visit & Exposure and field Visit for Problem Identification at “Mother Dairy Plant Vinod Nagar Delhi” on 7th Dec 2021

The Department of ME and Department of T & P organized “Industrial visits” & Exposure and field Visits for Problem Identification.” & At “Mother Dairy Plant Vinod Nagar Delhi”. Ms. Pooja (Marketing and purchase officer at Mother Dairy Plant Vinod Nagar Delhi) mother dairy team has given the brief Presentation about the company product and services. After presentation they have offer milk and ice cream to the students. After that they have given the tours of mother dairy plant where she has explain about milk token plant its importance and function. She said in token milk plant it is very important to mix fat and milk molecules as homogenous mixture so that uniform quality of milk can be possible through the time. She also has given brief about the milk

processing in heating process at different temperature.

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

MoE IIMT ENGINEERING INNOVATION CELL
DEPARTMENT OF MECHANICAL ENGINEERING IS ORGANIZING

EXPOSURE AND FIELD VISIT FOR PROBLEM IDENTIFICATION

Mother Dairy Plant
Vinod Nagar, Delhi

Date: 07th December, 2021
Time: 09:30 PM to 04:00 PM

FACULTY COORDINATOR
Mr. Dhruv Kumar
Assistant Professor
Department of ME

Mr. S.P. Gupta
Assistant Professor
Department of ME

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

Dr. Sanjay Pachauri
IIC, President
IIMT College of Engineering

Mr. Krishna Kumar
HOD
Department of ME

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7. Guest lecture on “How to convert your idea in to a product” on 9th Dec 2021

MoE, IIMT Innovation Cell and The Department of ME has organized Guest lecture on “How to prevent your Idea”. Dr. Krishna K. Mugada, Assistant Professor, Department of Mechanical Engineering, NIT Surat India. has given excellent inputs to our students that how to

convert the idea in to a product. The Idea formation, processing of idea, SWOT analysis and the Product generation was discussed. Few case studies on the startup and their initial idea generation was discussed.

- **Editor: Dr. Ganesh B. Shirsath, Associate Professor**

INSTITUTION'S INNOVATION COUNCIL
Ministry of Education (Initiative)

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MoE IIMT ENGINEERING INNOVATION CELL
DEPARTMENT OF MECHANICAL ENGINEERING IS ORGANIZING

Session On

“HOW TO CONVERT YOUR IDEA INTO A PRODUCT”

Speaker
Dr. Krishna K. Mugada
Assistant Professor
Dept. of Mechanical Engineering
NIT, Surat, India

COORDINATOR
Mr. Suraj Bhan
Assistant Professor
Department of ME

PATRONS
Dr. S.S. Tyagi, Director, IIMT College of Engineering
Dr. Sanjay Pachauri, IIC, President, IIMT College of Engineering
Mr. Krishna Kumar, Acting HOD, Department of ME

Date: 09th Dec, 2021 | Time: 03:20 PM to 04:30 PM

Mode Online :

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- **Mr. Saswat Kumar Das.** Has published scopus research papaerson “Roles of Big Data, Data Science, Artificial Intelligence in Entrepreneurships” at *Proceedings of the International Conference on Advances in Management Practices (ICAMP 2021)*
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3993704.

- **Chief editor: Mr. Krishna Kumar Karothiya, Assistant professor**