




MECHATROMA

Department of
Mechanical Engineering



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Jan.-Mar. 2024

VOLUME XIX, ISSUE I
NEWSLETTER

From Chief Editor's Desk



Prof. Krishna Kumar Karothiya
HOD, Mechanical Engineering

Dear Readers,

The journey of a mechanical engineer is one defined by constant evolution and adaptation. Our field thrives on the cutting edge, where ingenuity meets practicality, and where creativity finds its home in the realm of precision and efficiency. It's within this dynamic landscape that we find ourselves, poised to make significant strides forward.

This newsletter serves as a testament to our collective achievements, a celebration of the diverse talents and passions that enrich our Department, and a platform for sharing knowledge, insights, and discoveries that push the boundaries of what's possible.

In the pages that follow, you'll find stories of triumph, updates on groundbreaking research, spotlights on exceptional individuals, and reflections on the challenges and opportunities that lie ahead. From the intricacies of advanced manufacturing techniques to the exploration of renewable energy solutions, our newsletter showcases the breadth and depth of our collective expertise.

As we sift through the pages, we discern a message, that we have the power to shape the future, to redefine what's possible, and to leave a lasting legacy that inspires generations to come.

I extend my heartfelt gratitude to all who have contributed to this newsletter, whether through articles, photographs, or words of encouragement. Your dedication and passion are the driving forces behind our continued success.

I encourage you to delve into the stories within these pages, to engage with your colleagues, and to explore new avenues of inquiry and discovery. Together, let us forge ahead with confidence, curiosity, and a shared sense of purpose.

Thank you for your unwavering commitment to excellence. Here's to a future filled with innovation, collaboration, and endless possibilities.

Wishing you an informative and enjoyable reading!

Best Wishes!!!

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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GUEST LECTURE

“Achieving Problem-Solution Fit and Product-Market Fit”

On 26 February 2024, the Department of Mechanical Engineering organized a session on “Achieving Problem-Solution Fit and Product-Market Fit”. Resource persons were Mr Pradeep Bamel, Founder & CEO Skilled Hindustan, New Delhi and Mr Neeraj Tiwari, Manager, Skilled Hindustan, New Delhi.

During the session, the speakers stressed on ensuring that the new product designed or developed meets the need of customers as it would ensure wide acceptability of the product and consequent business-growth in the domestic and international market.



Guest Speaker Mr. Neeraj Tiwari delivering the session

SEMINAR

“Frugal Innovations and Social Entrepreneurship”

On 28 February 2024, the Department of Mechanical Engineering, and IIC, IIMT Cell organized a session on “Frugal Innovations and Social Entrepreneurship”. Mr. Sunil Kumar Ojha was the speaker on the occasion. During the session, Mr Ojha talked about certain local innovations that generally go unnoticed by public at large and media. The guest speaker gave various examples of how lots of innovators modified the existing products and enhanced their value propositions.

The session was very engrossing and ended with Mr. Krishna Kumar Karothiya, HOD, Department of Mechanical Engineering proposing the vote of thanks.



Students attending the seminar

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QUIZ COMPETITION

“GK and General Science”

On 18 Mar 2024, the Department of Mechanical Engineering organized a quiz competition on 'GK and General Science'. In regular course-curriculum, students are not taught about general knowledge and day-to-day happenings around the world. As a result, they face difficulty in qualifying the General Awareness paper in the competitive examinations.

The objective of this Quiz Competition was to bridge this gap. A total of 22 students participated in the competition. Winner of the event was Mr Adil, a student of B Tech 3rd year (Mechanical Engineering).



Quiz Competition

ASHRAE India Chapter

Cricket Tournament

On 26 February 2024, the Department of Mechanical Engineering, IIMT Greater Noida team participated in ASHRAE Cricket Tournament competition. IIMT team became the runner-up in the match.



IIMT Team during Cricket Tournament



FACULTY CORNER

Research Papers Publication

- Mr. Satya Veer Singh published a Research Paper, titled, “Measurement of Mechanical Properties of Friction Stir Welding of Al-Li Alloy Under Different Environmental Conditions” on 17th January 2024. MAPAN- Journal of Metrology Society of India. Springer SCI.
- Research Paper titled “Multi-criteria decision-making for Optimization of Welding Parameters in CMT and MIG-P Weld Bead of AA2099-T86 Alloy using CRITIC and ROV”, by Mr. Satya Veer Singh has been accepted for publication by Emerald Publishing. Multidiscipline Modeling in Materials and Structures. SCI-Expanded.
- Mr. Rahul Singh Rawat, Satyaveer Singh, published a Research Paper titled “A Comprehensive Review on Desiccant Materials, Liquid Desiccant Dehumidification and its Simulation Tools”, Industrial Engineering Journal. UGC-Care (Group-I) multidisciplinary Journal. ISSN NO: 0970-2555, Volume 53, Issue 1, January 2024, Impact factor-6.82. Pp-94-105.
- Mr. Nikhil Gupta, published a Research Paper titled “Selection of Water Purifiers by Gray Relational Analysis Method (Fuzzy Numbers)”. In UGC Care MukthShabd Journal ISSN NO: 2347-3150

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FACULTY DEVELOPMENT PROGRAMS

“Emerging Technologies in Welding Automation and Gas Cutting/Brazing”

Mr. Satyaveer Singh and Mr. Nand Lal Prajapati attended a one-day workshop on “Emerging Technologies in Welding Automation and Gas Cutting/Brazing” at IIT Delhi on February 17, 2024.



IIMT Team during Cricket Tournament

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Department of Mechanical Engineering



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