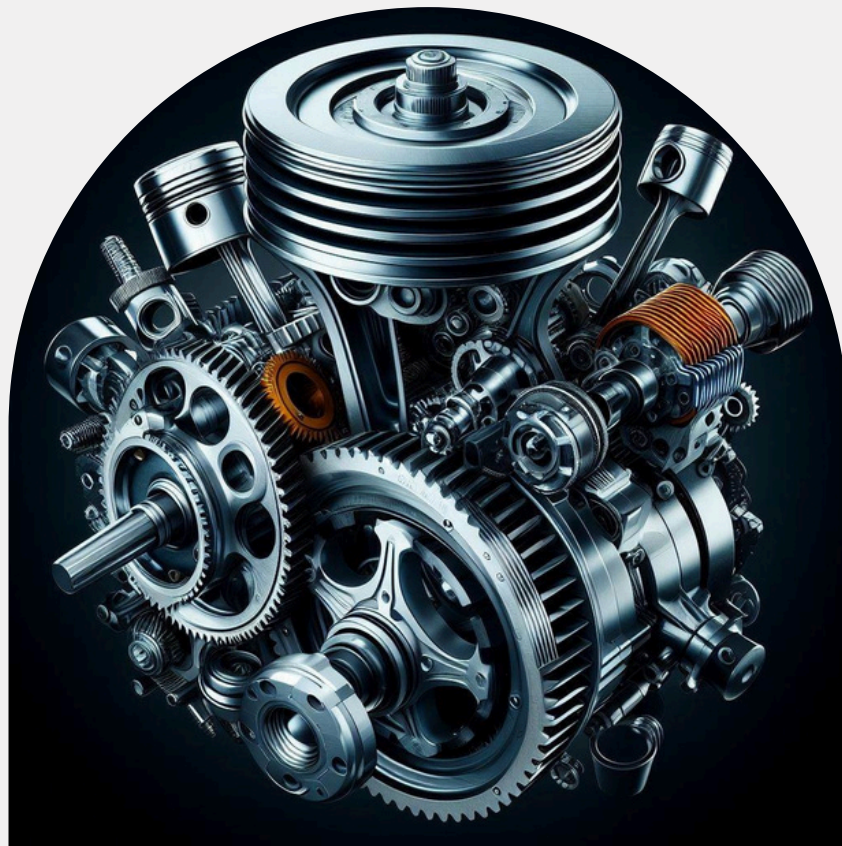


# MECH-ZINE



Maharashtra  
Institute Of  
Technology

**EDITION 25**

# Forward From Editorial Team

Mechzine stands as the flagship quarterly newsletter and magazine representing the Department of Mechanical Engineering. As members of the editorial board, we take great pleasure in offering our readers a diverse array of articles spanning various fields. The active participation and achievements of our students have inspired our writers to explore a multitude of captivating topics for your enjoyment.

Beyond academic pursuits, our students are deeply engaged in numerous extracurricular activities and organizations. This edition radiates with energy, particularly highlighting the vibrant activities of MESA and MCED. Additionally, our newly introduced photography section promises to be a repository of captivating imagery, showcasing monumental moments.

We trust that this visually captivating edition of "MechZine" will captivate and inspire our readers



**DR. A. J. KECHE**  
*(PATRON EDITOR)*



**PROF. M. N. FAROOQUI**  
*(EXECUTIVE EDITOR)*

# Editor's Note

The Department of Mechanical Engineering is proud to present the MECHZINE Committee, a vital part of our departmental magazine initiative. MECHZINE, an acronym for Mechanical Engineering Magazine, serves as a platform dedicated to fostering student engagement, personal growth, and professional development within our academic community. MECHZINE is committed to enhancing student's interactive skills, problem-solving capabilities, time management, and overall personality development. By organizing a variety of co-curricular and extracurricular activities, it aims to contribute to the holistic development of students as future engineers. Additionally, MECHZINE seeks to broaden its leadership's horizons by fostering awareness and appreciation of diverse disciplines. The MECHZINE Committee was established with the welfare and growth of departmental students at its core. Members are selected through personal interviews for various roles within a structured hierarchy that includes a President, Chief Editor, and Heads of Multidisciplinary Activities. Under the guidance of Prof. M.N. Farooqui, Faculty Advisor for MESA & MECHZINE, the committee meticulously plans its annual calendar of events and activities to ensure maximum benefit for its leadership and their overall development.

**Shreya Pawar**  
Chief-Editor

# Mech-Zine Office Bearers

## **Editor-in-Chief**

Shreya Pawar

## **Creative Editors**

Prapti Shelke

Krushna Gore

## **Typography Editors**

Sarthak Daware

Prathmesh Solunke

## **Technical Leads**

Kartik Kharche

Darshan Sose

# Guest Lecture on "Spark Innovation, Ignite Industries"



Date: 4th September 2025  
Time: 11:00 AM  
Organized by: MESA – 2025

The Department of Mechanical Engineering at MIT-CSN successfully organized a guest lecture titled “**Spark Innovation, Ignite Industries**” as part of its ongoing initiative to bridge the gap between industry and academic. The event was hosted under the banner of MESA for the academic year 2025–26.

## Guest Speakers:

### 1. Mr. Asem Ameer

Designation: HAU-DSAT, Liebherr India Ltd

### 2. Mr. Ganesh Phirke

Designation: DGM R&D, Liebherr India Ltd

Both speakers shared valuable insights into industrial innovation, modern R&D practices, and emerging trends in mechanical engineering, motivating students toward innovation-driven careers.

**Participants:** 50 Mechanical Engineering students

The event was organized and conducted under the guidance of Dr. M. N. Farooqui, Faculty Advisor, MESA. The interactive Q&A session reflected the enthusiasm of students and the success of the program.

# Faculty Achievements

## PhD completion of Prof.M.N.Farooqui.

The department extended its wishes to Prof. M. N. Farooqui on the successful completion of his Ph.D. in Mechanical Engineering.

### Research Title:

**“Modeling and Experimental Investigations into Electro Discharge Machining of Advanced Composite Material”**

This remarkable achievement contributes significantly to advanced manufacturing and materials engineering

This achievement reflects his unwavering dedication, academic excellence, and pursuit of innovation. We also acknowledge and appreciate the invaluable guidance of Dr. N. G. Patil, under whose mentorship this milestone was accomplished



**Dr.M.N.Farooqui**

M.S.(Mech) Sweden, Europe, PhD  
(Mech.Engg)  
Asst Prof, Dept. of Mech.Engg.  
Maharashtra Institute of Technology.

## PhD completion of Prof.A.S.Gore.

Heartiest congratulations to Prof. A. S. Gore on earning his Ph.D. in Mechanical Engineering

### Research Title:

**“Mathematical Modeling and Experimental Investigations into wire Electro Discharge Machining of ceramic matrix Composite ”**

This work strengthens research in advanced manufacturing technologies.

This achievement reflects his unwavering dedication, academic excellence, and pursuit of innovation. We also acknowledge and appreciate the invaluable guidance of Dr. N. G. Patil, under whose mentorship this milestone was accomplished



**Dr.A.S.Gore**

M.Tech, (CAD/CAM), PhD (Mech.Engg)  
Asst Prof, Dept. of Mech.Engg.  
Maharashtra Institute of Technology

# Felicitation Ceremony of Academic Toppers and Avishkar Participants



Date: 12th September 2025

Time: 3:00 PM

Venue: Seminar Hall 308

Organized by: MESA 2025, Department of  
Mechanical Engineering, MIT-Chhatrapati  
Sambhajnagar

The Mechanical Engineering Students Association (MESA 2025) organized a grand felicitation ceremony to honor the academic toppers and students who represented the department in the Avishkar University Level Poster Presentation Competition. The event recognized the hard work and achievements of the students across all academic years.

- \* Academic toppers from Second Year (SY), Third Year (TY), and Final Year B.Tech were felicitated for their outstanding academic performance.
- \* Students who secured a consolation prize in the Avishkar competition were also specially recognized.
- \* The dignitaries presented certificates and mementos to the awardees and encouraged them to continue excelling in academics and extra curriculums.

The felicitation was conducted at the esteemed hands Dr.A.J.Keche, Head of the department

Their presence and motivating words added immense value to the ceremony and inspired the students to aim higher in their academic and professional journeys.

Students from Second Year, Third Year, and Final Year B.Tech (Mechanical Engineering) actively participated in the event. The enthusiastic turnout made the ceremony vibrant and engaging.

The event concluded with a vote of thanks and a group photo session, marking a proud and memorable moment for the students and faculty alike. MESA continues its commitment to encouraging excellence through such platforms.

# Participation in Avishkar 2025 State-Level Poster Presentation Competition



Date: 10th September 2025

Venue: Gangapur

Event Time: 8:00 AM – 10:00 PM

Event Type: State-Level Poster  
Presentation Competition

Organized Under: Avishkar 2025 –  
University-Level Research and Innovation  
Initiative

Twelve enthusiastic students from the Department of Mechanical Engineering, MIT-Chhatrapati Sambhajinagar, actively participated in the State-Level Poster Presentation Competition organized by the university under the banner of Avishkar 2025. The event was held on 10th September 2025 at Gangapur, drawing participants from across various colleges and universities in the state.

This competition provided a platform for young researchers and innovators to present their ideas, research work, and technical projects before a panel of esteemed judges and an academic audience.

The official delegation from the Department of Mechanical Engineering was led by Dr. M. N. Farooqui, who provided continuous guidance and support to the participating students throughout the event. His mentorship played a crucial role in motivating the students and enhancing the quality of their presentations.

- \* A total of 12 students from SY, TY, and Final Year B.Tech (Mechanical) participated.
  - \* The students presented innovative posters on topics related to mechanical design, automation, manufacturing processes, and sustainability in engineering.
  - \* Their work was appreciated for originality, technical depth, and presentation skills.
  - \* The event fostered a spirit of research and innovation among participants.
  - \* Students gained valuable experience in technical communication, teamwork, and research methodologies.
  - \* Their participation enhanced the visibility of MIT-CSN at a prestigious university-level forum.
- The participation in Avishkar 2025 was a proud moment for the Department of Mechanical Engineering. It not only highlighted the department's commitment to fostering research culture but also provided a platform for students to showcase their talents on a larger academic stage.

# Industry Interaction

## Innovation Challenge – Liebherr India Pvt. Ltd.

Date: 25th September  
Time: 10:00 AM to 5:30 PM  
Venue: Liebherr Campus, India

Two enthusiastic student teams, each comprising 9 members from the Department of Mechanical Engineering, MIT, actively participated in the Innovation Challenge organized by Liebherr India Pvt. Ltd. on 25th September at their campus.

The event aimed to foster creative thinking, innovation, and practical engineering solutions among budding engineers. Throughout the day, both teams were deeply engaged in concept generation and ideation, presenting a wide array of innovative ideas and solutions relevant to the industry.

As recognition of their active involvement and creative efforts, both teams were awarded certificates of appreciation by the Liebherr India team.

A special highlight of the event was the felicitation of Dr. M. N. Farooqui, the Liebherr Project Supervisor from MIT, for his dedicated support and invaluable contribution throughout the process. The Liebherr team honored Dr.

M.N.Farooqui for his mentorship, which significantly guided and inspired the students.

The Head of Department Dr.A.J.Keche, expressed heartfelt congratulations to both teams for their commendable participation and contribution. The department also appreciated the initiative for strengthening industry-academia collaboration and fostering innovation among students.





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