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Department of Mechanical Engineering

A.Y 2024-2025, Even Semester

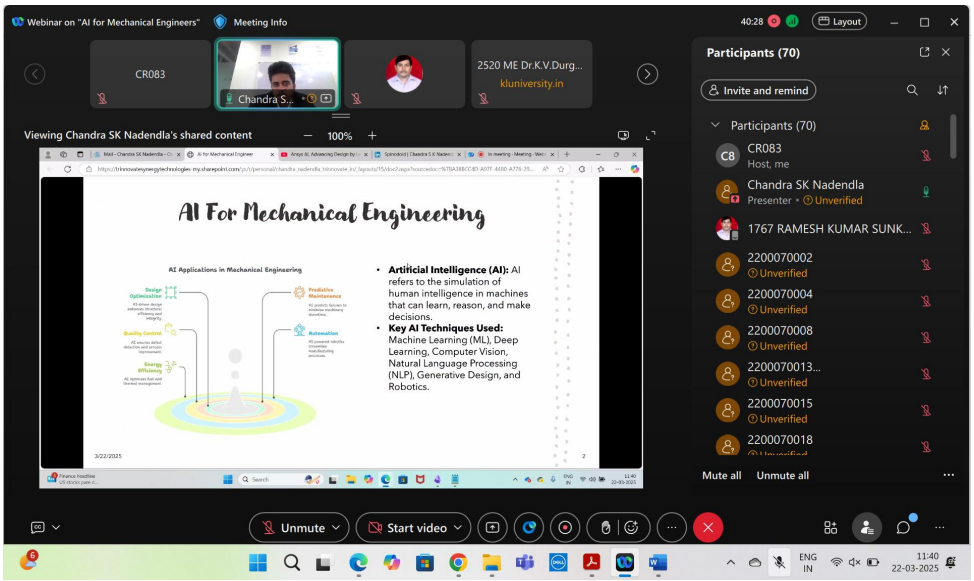
Webinar Report

In view of department activities, Department of Mechanical Engineering conducted a Webinar with **Mr. N. Chandra Sai Kamal on 22-03-2025**. Mr. **N. Chandra Sai Kamal** is working as Product Manager, Trinnovate Synergy Technology Pvt. Ltd., Gujarat, India. He gave continuous lecture from 11:30 A.M to 12:30 P.M on the topic **"AI for Mechanical Engineers"**. In on-line mode, he has given presentation in Webex platform in which 102 participants (95 students and 7 faculty) of ME department was participated in blended mode in Webex platform and in CAD Lab, M124, M128.

Webex Link:

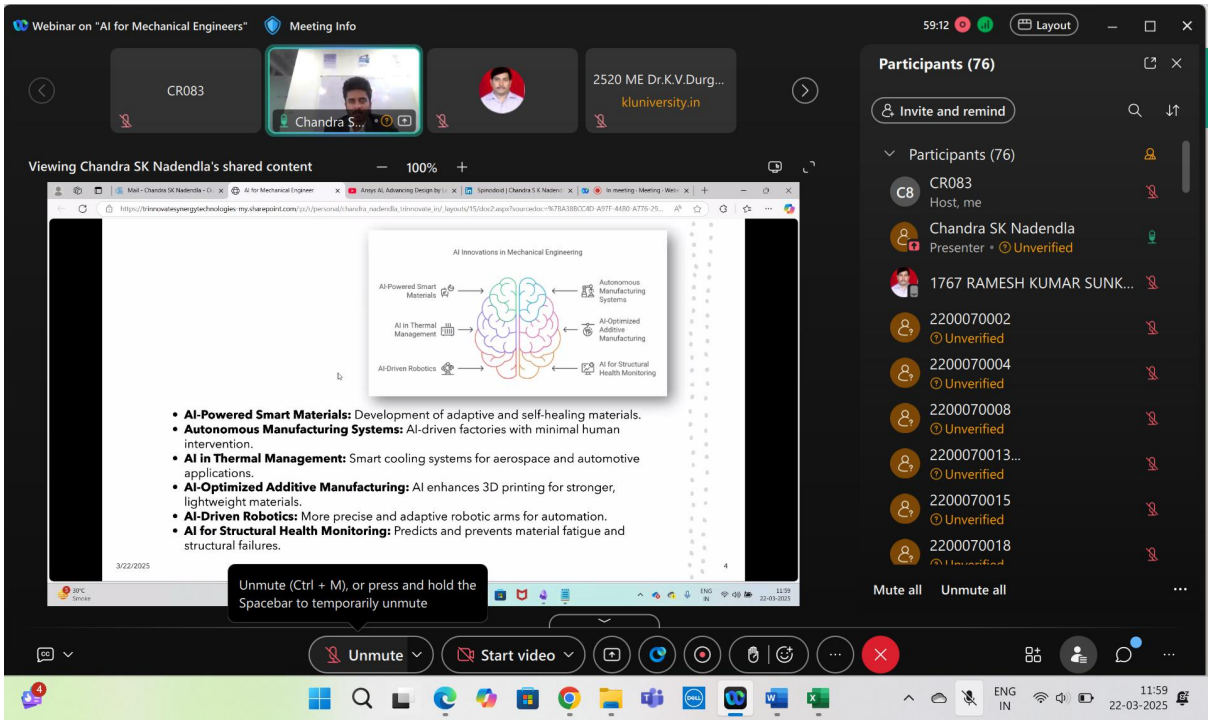
https://kluniversity.webex.com/kluniversity/j.php?MTID=me54f9d1a7ec1dd188fa89dd8eea9bf11

The session aimed to explore the role of Artificial Intelligence (AI) in mechanical engineering, its applications, benefits, and future prospects. The webinar featured expert speakers from academia and industry, providing valuable insights into AI-driven innovations in mechanical engineering.



Objectives of the Webinar

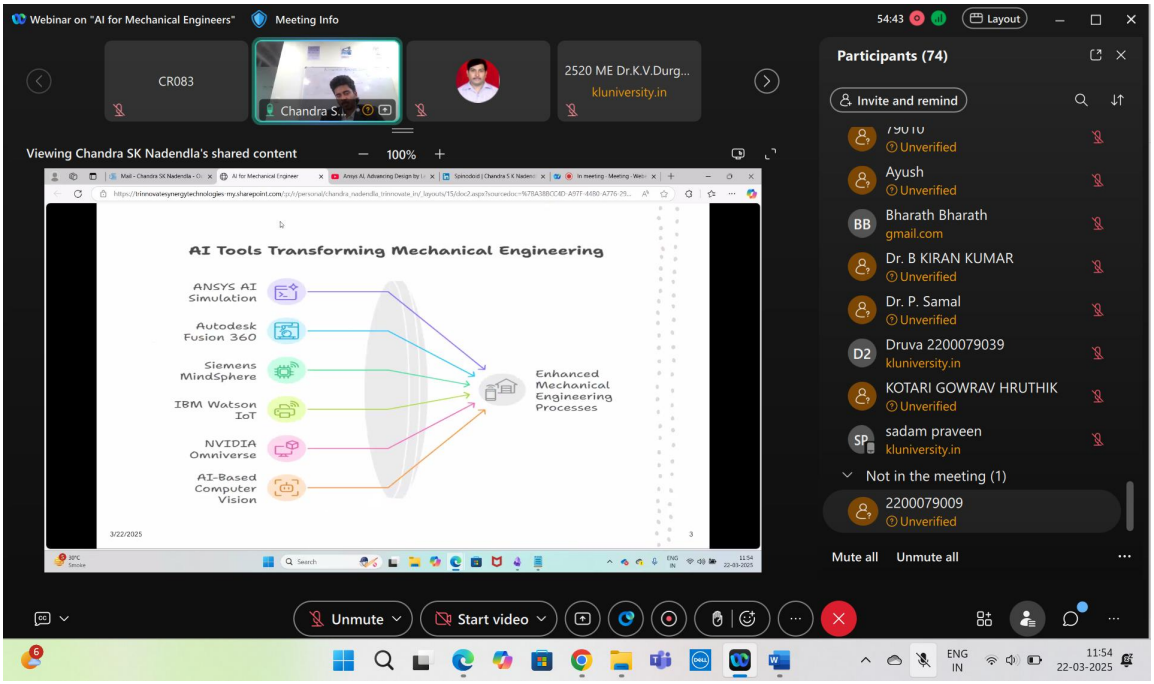
- To introduce AI and its significance in mechanical engineering.
- To explore AI applications in design, manufacturing, and maintenance.
- To discuss the role of AI in predictive maintenance and optimization.
- To understand AI-driven automation in mechanical industries.



Key Topics Covered

- Introduction to AI, Machine Learning, and Deep Learning.
- AI applications in Computer-Aided Design (CAD) and simulation.
- Role of AI in predictive maintenance and fault diagnosis.
- AI-powered robotics and automation in manufacturing.
- AI-driven optimization techniques in mechanical processes.

- Future trends and career opportunities in AI for mechanical engineers.

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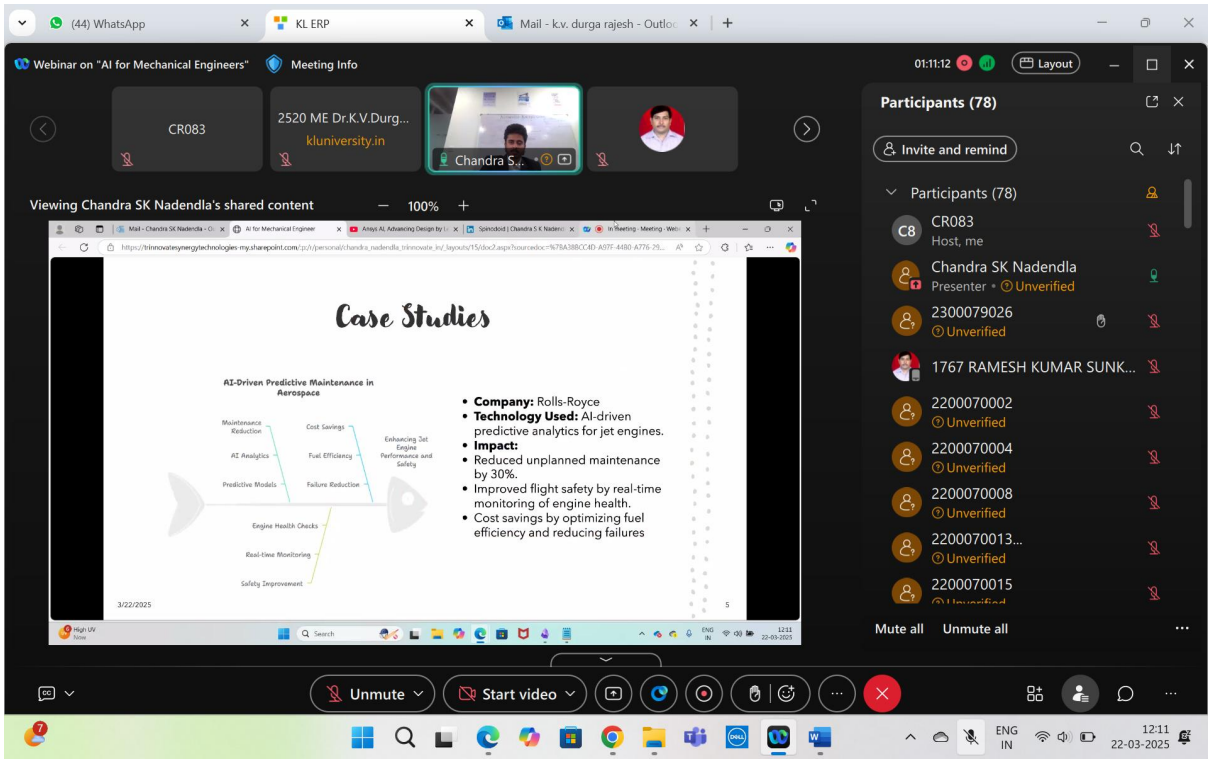
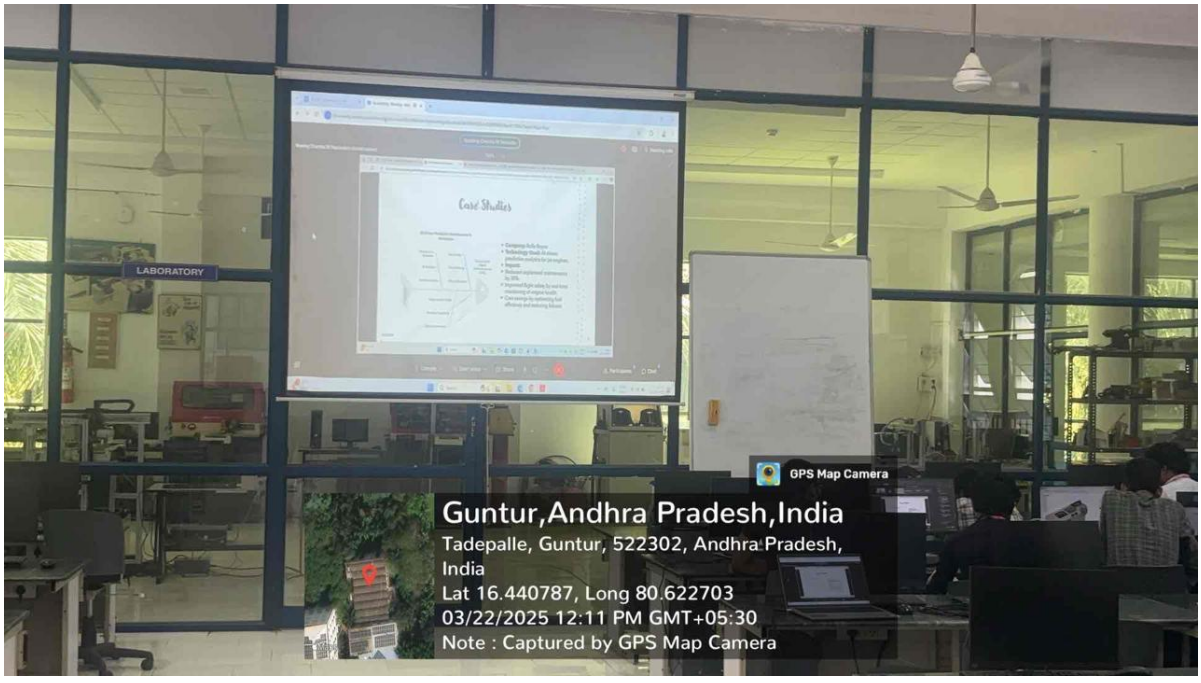
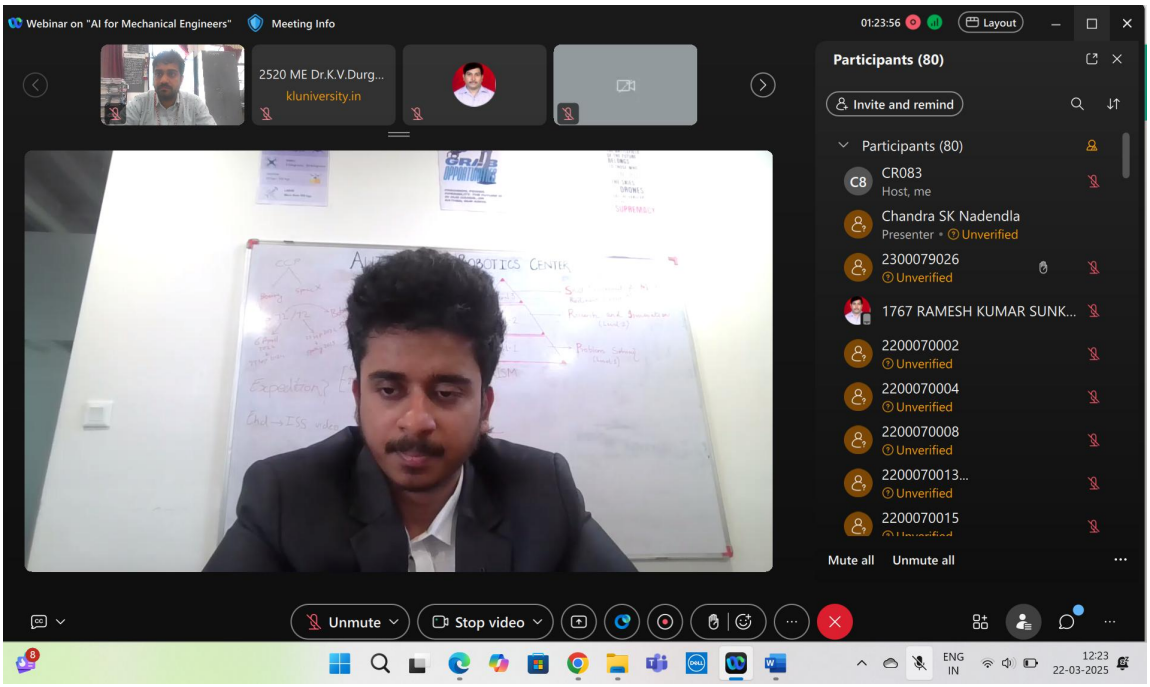
Highlights of the Session

- Case Studies: Real-world applications of AI in mechanical industries were shared.







The webinar successfully provided a comprehensive understanding of AI's impact on mechanical engineering. The participants gained valuable insights into AI-driven innovations, enhancing their knowledge of the evolving technological landscape. The session concluded with an emphasis on continuous learning and upskilling in AI to stay relevant in the industry.

Few students asked questions and interacted with speaker and then Dr. K. V. Durga Rajesh sir delivered Vote of Thanks to speaker.

Prepared by **Approved by**