

Department of Mechanical Engineering

A.Y 2023-2024, Odd Semester

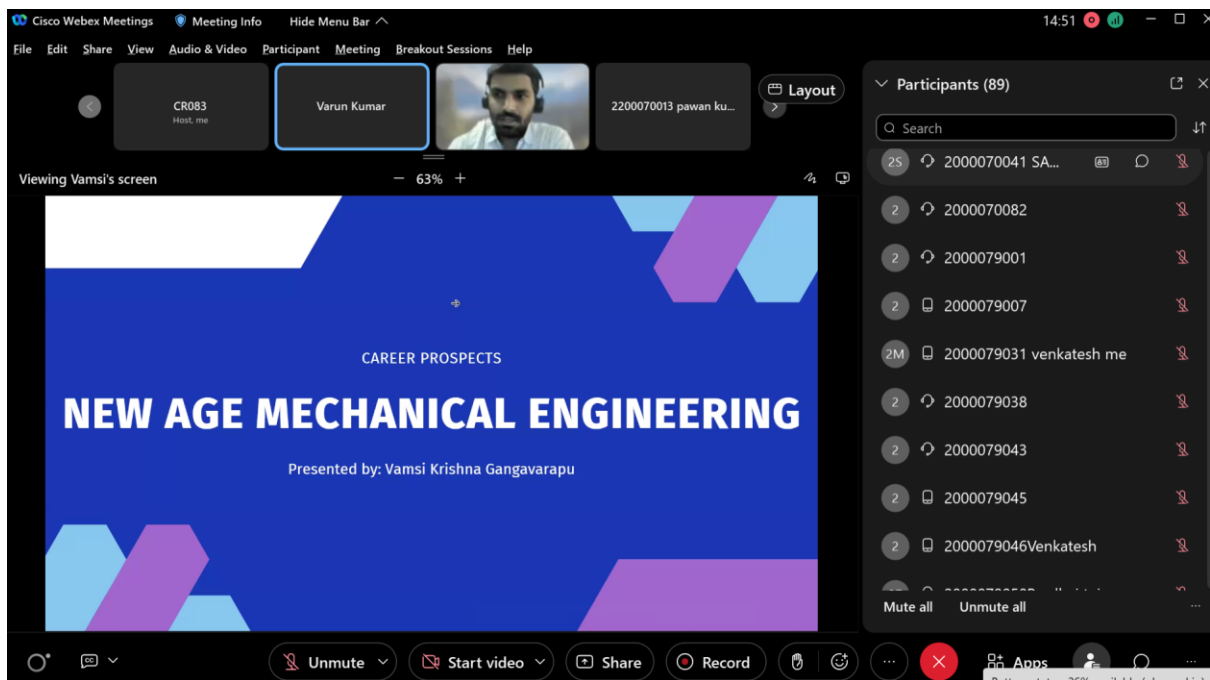
Alumni Guest Lecture Report

In view of alumni activities, Department of Mechanical Engineering, Alumni Cell has conducted an Alumni Guest Lecture with **Mr. Gangavarapu Vamsi Krishna (Y-13 Batch 13007410)**, Senior Product Design Engineer, Daimler Truck Innovation Centre India, Bangalore on 23.08.2023. He gave an continuous lecture for 01 hour from 10.00 IST to 11.00 IST on “**New Age Mechanical Engineering**”. In on-line mode, he has given presentation in following Webex link in which nearly 120 participants (103 students and 17 faculty) of ME department was participated.

On-line Link:

<https://kluniversity.webex.com/kluniversity/j.php?MTID=m2e810b5a3f8a90fec8df40a0121a9c54>

Mr. Gangavarapu Vamsi Krishna has interacted with the participants on following aspects:



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CR083 Host, me Varun Kumar Vamsi (Cohost) 2200070013 pawan ku...

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Where We Are Now ?

Participants (93)

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Where are we working

Manufacturing 50% Automobile 15% Services 10% Medical 10% Aerospace 5%

Participants (98)

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Page 1 of 1 0 words English (India) Accessibility: Investigate

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Sustainability and Green Design

With a growing focus on environmental sustainability, there will be an increased need for engineers who can design products with a reduced environmental footprint. This might involve creating energy-efficient designs, optimizing materials usage, and considering end-of-life recycling.

Robotics

Robotics is becoming increasingly important in mechanical engineering. They are becoming increasingly sophisticated and capable of performing complex tasks, and they have a major impact on accuracy and efficiency of building machines.

Mechatronics

Mechatronics is a combination of mechanical engineering, IT (Information Technology), and electrical engineering. The scope of mechatronics ranges from designing complex engineering systems to processing automation.

Artificial Intelligence

AI is the ability of machines to learn, reason, and act like humans. AI can be used to automate processes, as well as to create new materials and components.

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Vamsi (Cohost)

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Participants (108)

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Nano Technology

Nanotechnology is the manipulation of matter on an atomic or molecular scale. It involves using extremely small particles, such as nanotubes, nanowires, and nanoparticles, to create materials and components with unique properties.

Computer-Aided Engineering

CAE software makes it easier for mechanical engineers to design and analyse complex systems. Computer software assists in designing, analysing, and manufacturing mechanical components and systems.

Internet of Things

IoT has enabled mechanical engineers to create connected products which can talk to other products in an ecosystem-like structure.

3D Printing

3D printing is a process of making three-dimensional objects from a digital file. This rapidly growing technology has revolutionised how mechanical engineers design and produce parts and components.

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Vamsi (Cohost)

Participants (115)

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Job Prospects

Management 15%

Research 25%

Testing 10%

Production 25%

Design 25%

PAST FUTURE

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Participants (117)

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T-shaped competence in Engineers

- T-shaping is building competence on more than one one fields and strengthening the foundations in at least a few of them. This helps us adapt to future needs and hit the ground running every time there is an opportunity to take up a new challenge.

BOUNDARY CROSSING COMPETENCIES
Teamwork, innovation, perspectives, networks, critical thinking, global understanding, interpersonal management, etc.

ME

MANY DISCIPLINES
Understanding & communications

MANY SYSTEMS
Understanding & communications

DEEP IN AT LEAST ONE DISCIPLINE
Analyzing, thinking & problem solving

DEEP IN AT LEAST ONE SYSTEM
Analyzing, thinking & problem solving

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So, who is the future mechanical engineer?

The future mechanical engineer is

- The solution architect that guides product development of future
- Is the domain expert with valuable insight into how things work
- Understands the best way to get products to people
- By mastery of future materials
- By connecting new manufacturing approaches
- Connecting the dots between different disciplines

The future mechanical engineer is not

- A specialist who does not go beyond a discipline
- Individual caught up with meaningless word like "core".

Participants (117)

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Questions?

Email Address
vamsi23may@gmail.com

Participants (116)

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Questions?

Email Address
vamsi23may@gmail.com

Chat

from 2000079026 Harsha to everyone: 10:34 AM
Good morning sir, What are the key skills required (Softwares) to get into mechanical core jobs?

To: Everyone

Enter chat message here

Close Chat

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ENG IN 10:35 23-08-2023

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Questions?

Email Address
vamsi23may@gmail.com

Participants (120)

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Vamsi Cohost
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Mute all Unmute all

Chat

from 2000079026 Harsha to everyone: 10:34 AM
Good morning sir, What are the key skills required (Softwares) to get into mechanical core jobs?

from suhel khan to everyone: 10:42 AM
how to get industry level working knowledge

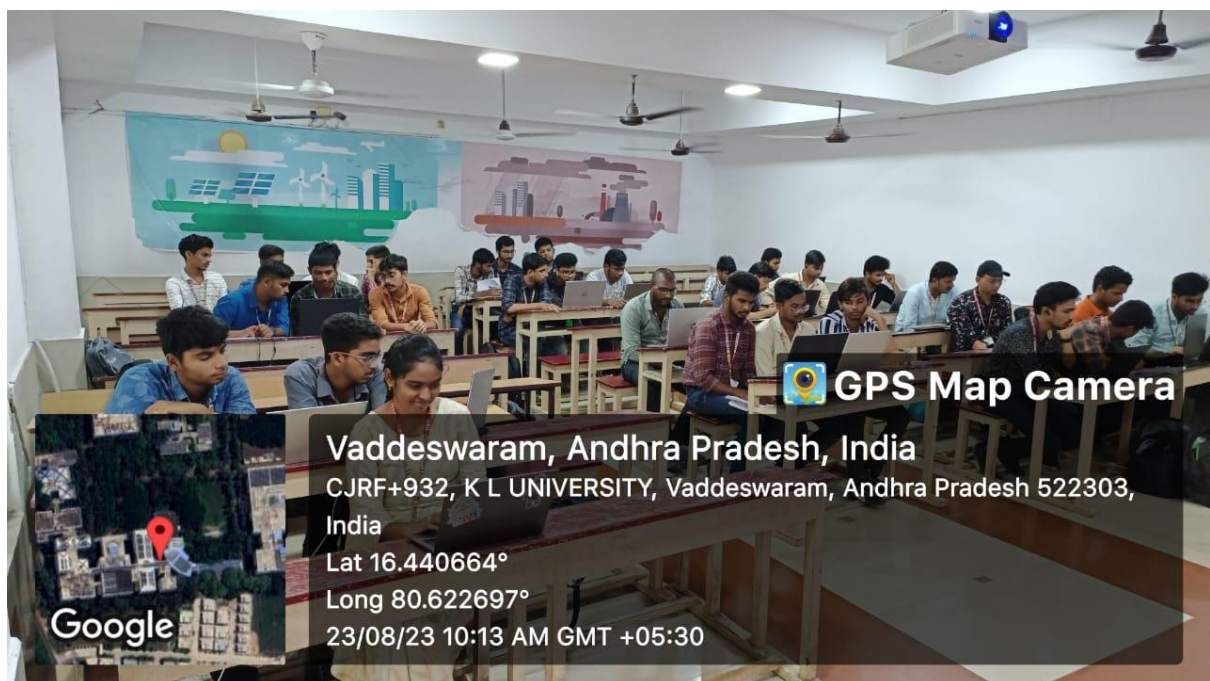
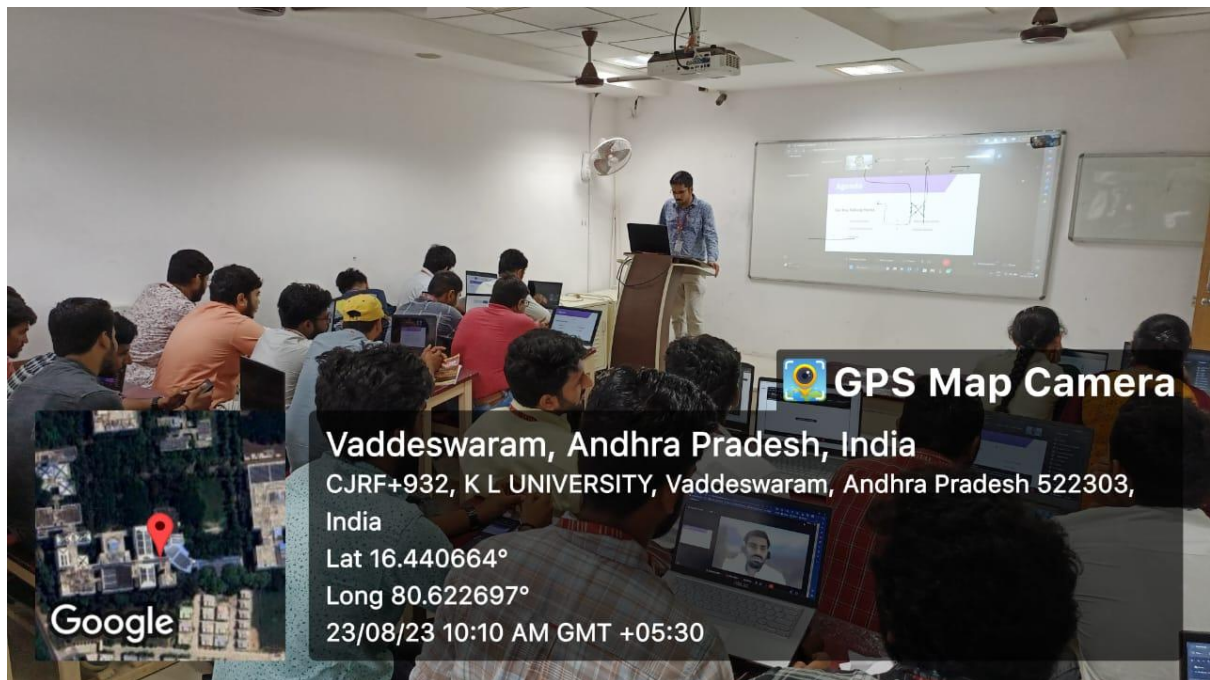
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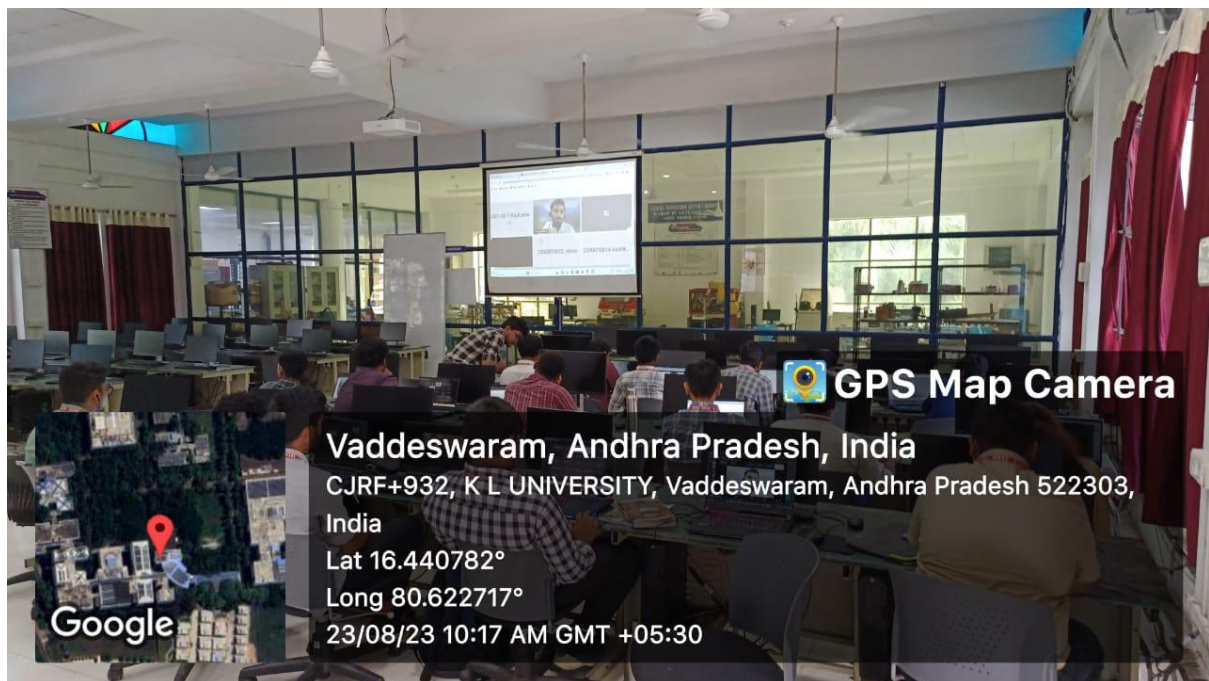
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Mr. A.V.S Ram Prasad

I/C. Alumni, Dept. of ME

Dr. T. Vijaya Kumar

HOD-ME