

Department of Mechanical Engineering

A.Y 2023-2024, Odd Semester

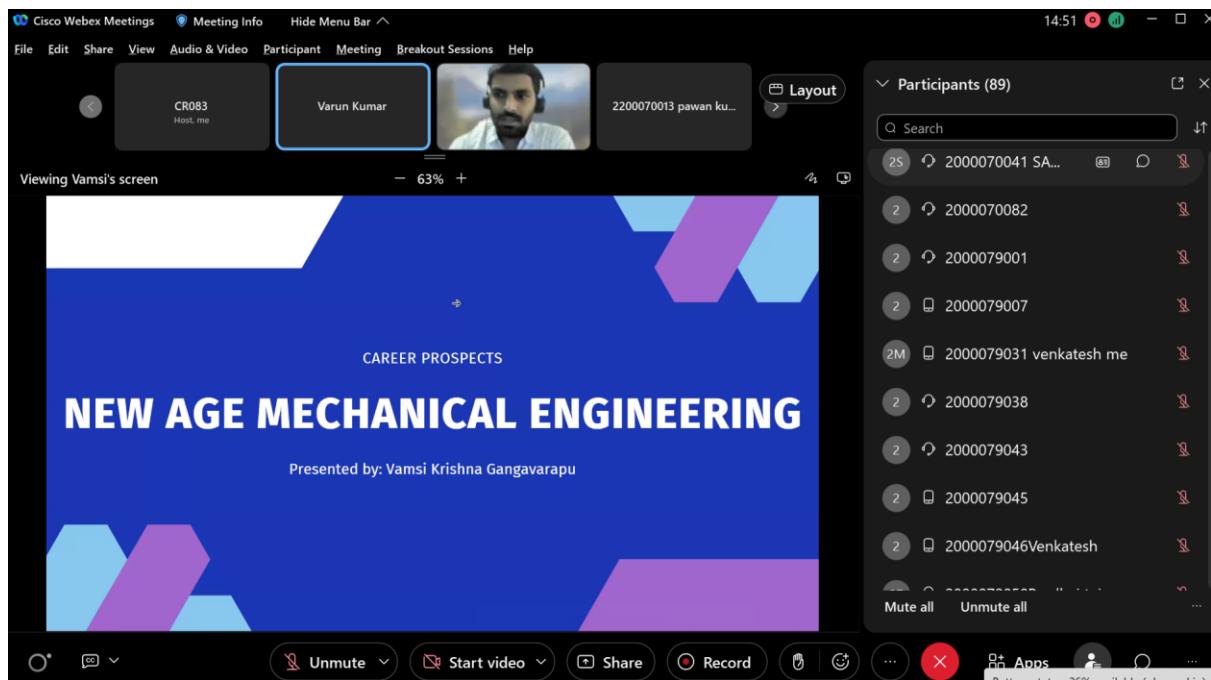
Alumni Guest Lecture Report

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:



Cisco Webex Meetings Meeting Info Hide Menu Bar ^

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help

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

Viewing Vamsi's screen - 63% +

Where We Are Now ?

Unmute Start video Share Record

Participants (93)

Search

2S 2000070041 SA... 2000070082 2S 2000070925 satya sai 2 2000079001 2 2000079007 2M 2000079031 venkatesh me 2 2000079038 2 2000079043 2 2000079045

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CR083 Host, me PVivekananda Varun Kumar Layout

Viewing Vamsi's screen - 63% +

Where are we working

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Participants (98)

Search

CO CR083 Host, me Vamsi Cohost CO CR083 Cohost 2 2000070003_milind 2 2000070014-karthikay 2K 2000070019 Kris... 2 2000070024 2S 2000070025 satya sai 2 2000070026

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Page 1 of 1 0 words English (India) Accessibility: Investigate 31°C Mostly cloudy Search ENG IN 10:12 23-08-2023

Webex Meeting Info Hide Menu Bar ^

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Viewing Vamsi's screen 56% +

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 the 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.

Participants (108)

Profile	Name	Role	Actions
CR083	Host, me		
Vamsi	Cohost		
CR083	Cohost		
CR083	Cohost		
2000070003_milind			
2000070014-karthikay			
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Webex Meeting Info Hide Menu Bar ^

File Edit Share View Audio & Video Participant Meeting Breakout Sessions Help

Viewing Vamsi's screen 56% +

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.

Participants (115)

Profile	Name	Role	Actions
CR083	Host, me		
Vamsi	Cohost		
CR083	Cohost		
2000070003_milind			
2000070014-karthikay			
2000070024			
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Job Prospects

Category	Percentage
Management	15%
Research	25%
Testing	10%
Production	25%
Design	25%

PAST FUTURE

Participants (118)

Participant	Role
CR083	Host, me
Vamsi	Cohost
CR083	Cohost
2000070003_milind	
2000070014-karthikay	
2000070024	
2000070025 satya sai	
2000070026	
2000070041 SAN...	
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Unmute Start video Share Record Apps Show desktop

The screenshot shows a Microsoft Teams meeting interface. At the top, there's a navigation bar with 'Webex' and 'Meeting Info' buttons, followed by a 'Hide Menu Bar' option. Below the menu bar, there are buttons for 'File', 'Edit', 'Share', 'View', 'Audio & Video', 'Participant', 'Meeting', 'Breakout Sessions', and 'Help'. The main area shows a participant's screen with a video of a man named 'Vamsi (Cohost)'. The participant's name is 'CR083 Host, me'. The video player has a zoom level of '68%'. To the right, there's a 'Participants (117)' list with a search bar. The list includes several participants with their names and host/me status. At the bottom, there are controls for 'Unmute', 'Start video', 'Share', 'Record', and 'Apps'.

Viewing Vamsi's screen

CR083 Host, me

Vamsi (Cohost)

2100070027

68%

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.

ME

BOUNDARY CROSSING COMPETENCIES

Translanguaging, communicative, perspective, interlocutors, critical thinking, Critical understanding, (project management, etc.)

MANY DISCIPLINES

Understanding & communication

MANY SYSTEMS

Understanding & communications

DEEP IN AT LEAST ONE DISCIPLINE

Analytic thinking & problem solving

DEEP IN AT LEAST ONE SYSTEM

Analytic thinking & problem solving

Unmute Start video Share Record Apps

Participants (117)

Search

CR083 Host, me

Vamsi Cohost

CR083 Cohost

2000070003_milind

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ENG IN

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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)

- CR083 Host, me
- Vamsi Cohost
- CR083 Cohost
- 2000070003_milind
- 2000070014-karthikay
- 2000070024
- 2000070025 satya sai
- 2000070026
- 2000070041 SA...
- 2000070045

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Questions?

Email Address

vamsi23may@gmail.com

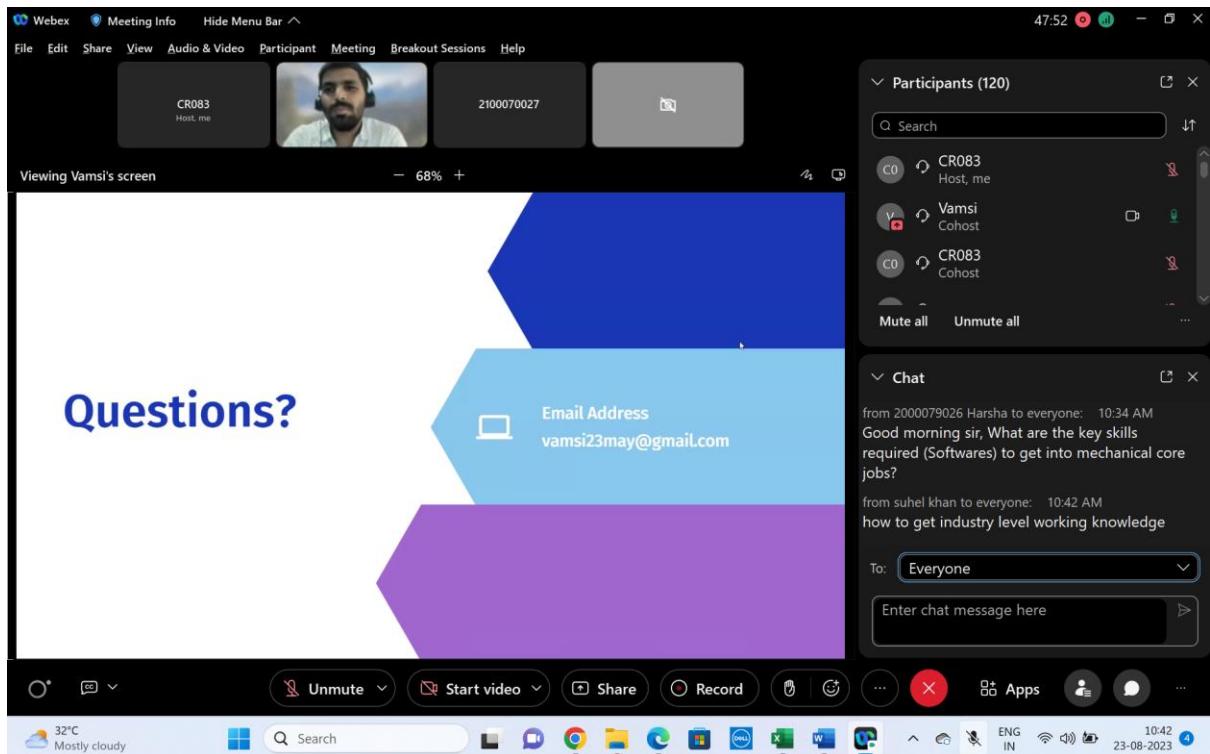
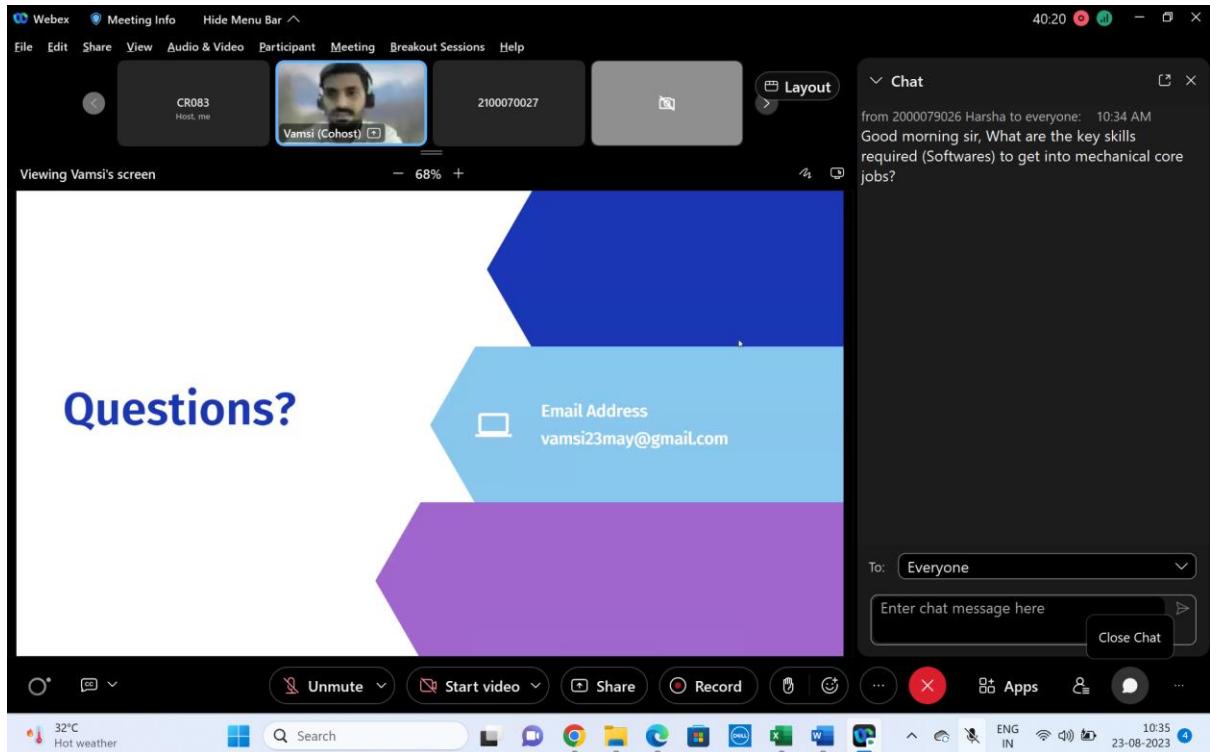
Participants (116)

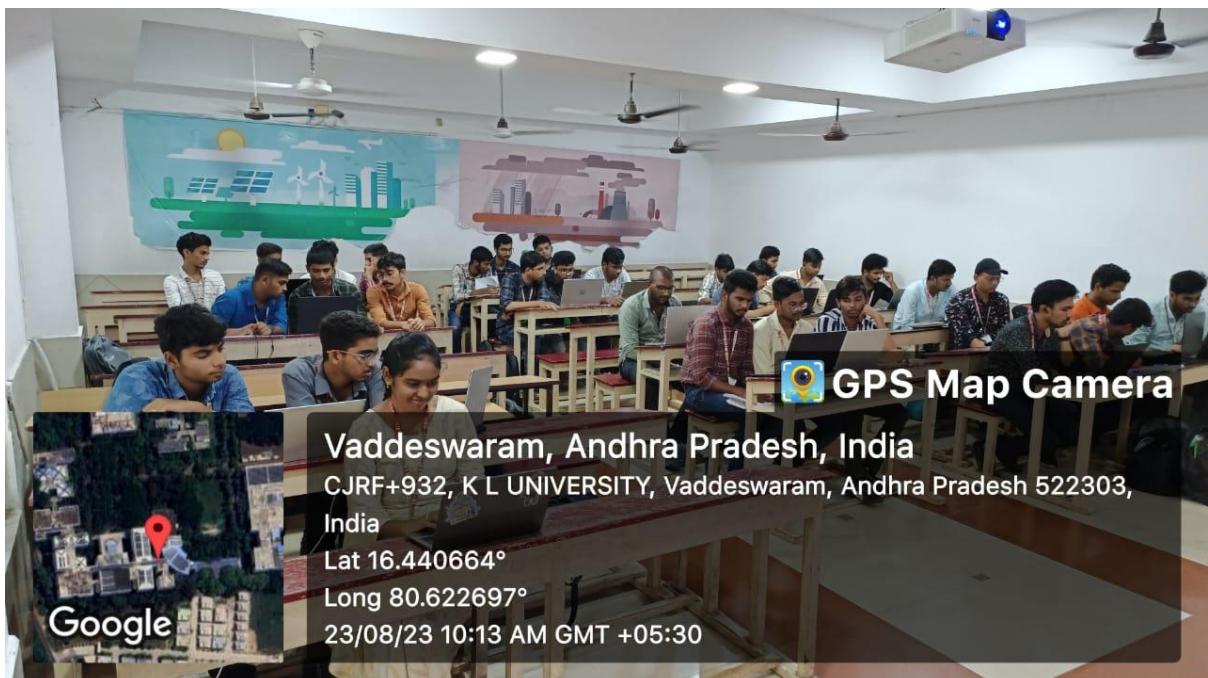
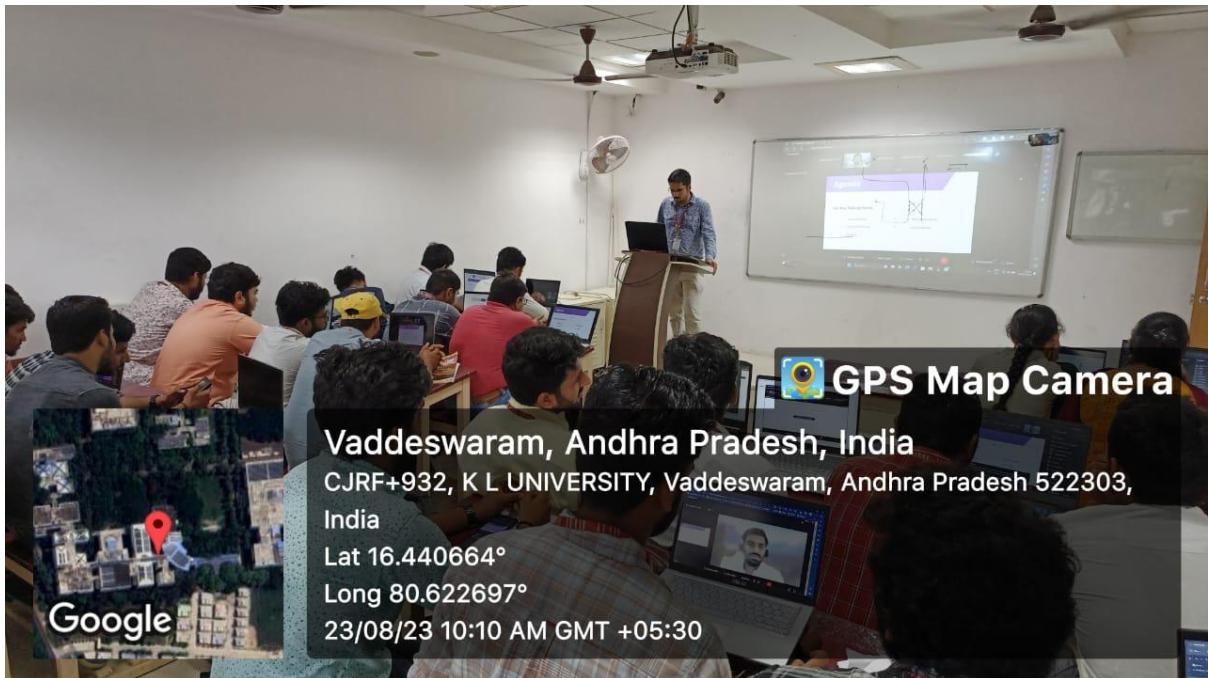
- CR083 Host, me
- Vamsi Cohost
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- 2000070025 satya sai
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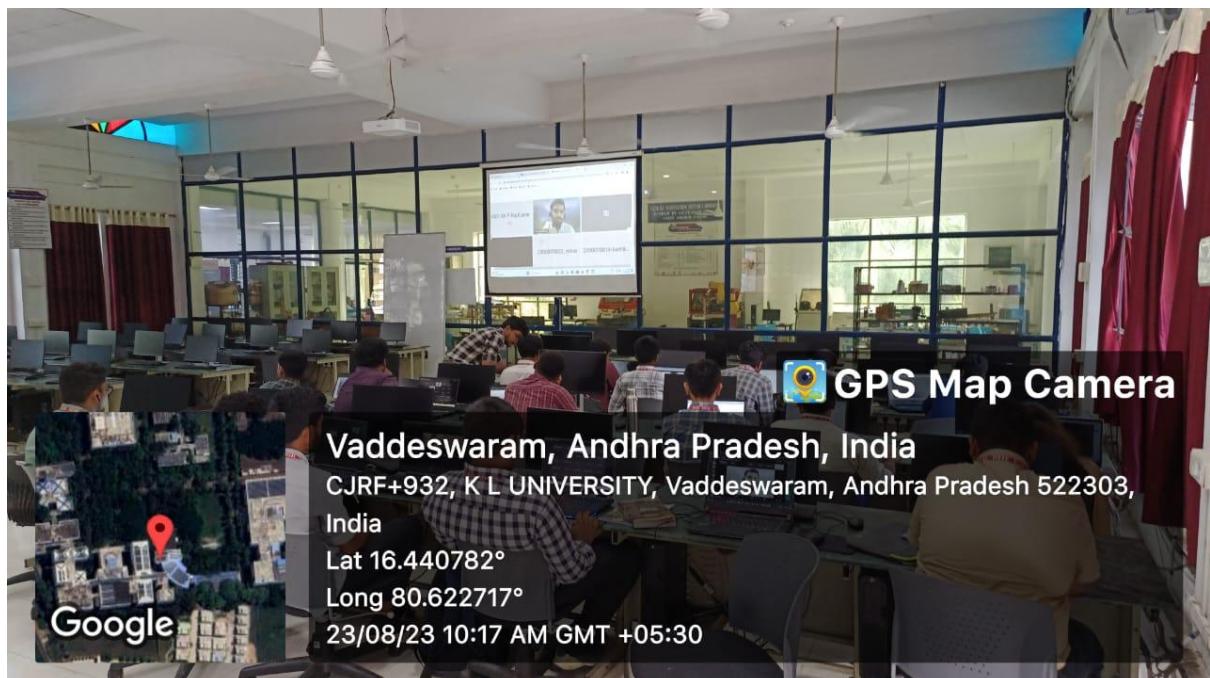
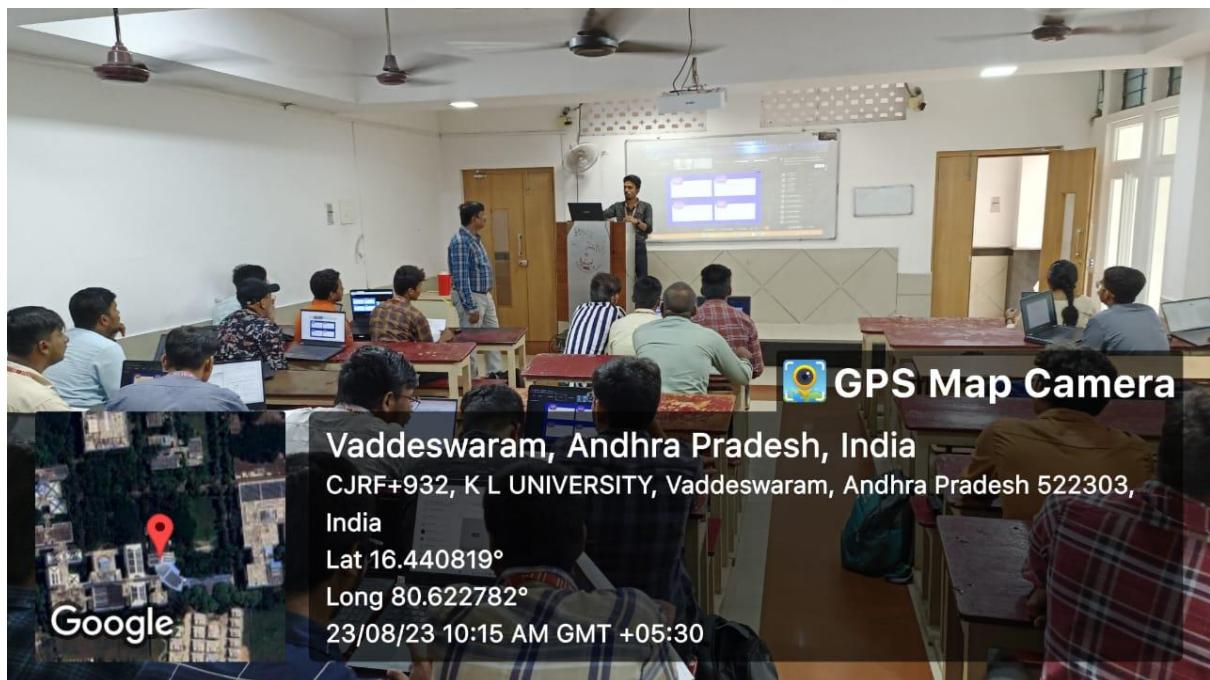
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Mr. A.V.S Ram Prasad

I/C. Alumni, Dept. of ME

Dr. T. Vijaya Kumar

HOD-ME