



Koneru Lakshmaiah Education Foundation

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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Department of Mechanical Engineering

A.Y 2024-2025, Even Semester

Alumni Guest Lecture Report

In view of alumni activities, Department of Mechanical Engineering conducted an Alumni Guest Lecture with **Mr. Krushna Sai Kumar Reddy (13007254), Head of Project Management-Digitalization, Continental Automotive Technologies GMBH, Babenhausen, Germany of Y13-Batch on 28-03-2025**. He gave continuous lecture from 4:30 P.M to 05:30 P.M on the topic **“Digitalization in Manufacturing”**. In on-line mode, he given presentation in Webex platform in which **51 participants (49 students and 03 faculty)** of ME department was participated in blended mode in room M122 and M124.

Webex Link:

<https://kluniversity.webex.com/kluniversity/j.php?MTID=m3a6bc5f67add567c3af86926be762c63>

- During his interactive lecture, he discussed on:
- Introduction - Digitalization in Manufacturing and overview
- Digitalization core components in manufacturing
- Key technologies in digital manufacturing, Digital twin and Simulations
- Areas of focus
- Popular software's used in industries
- Essence of Mechanical Engineering in AI era
- Career trends in Manufacturing
- Key Industries for Mechanical Engineers
- Future trends and opportunities



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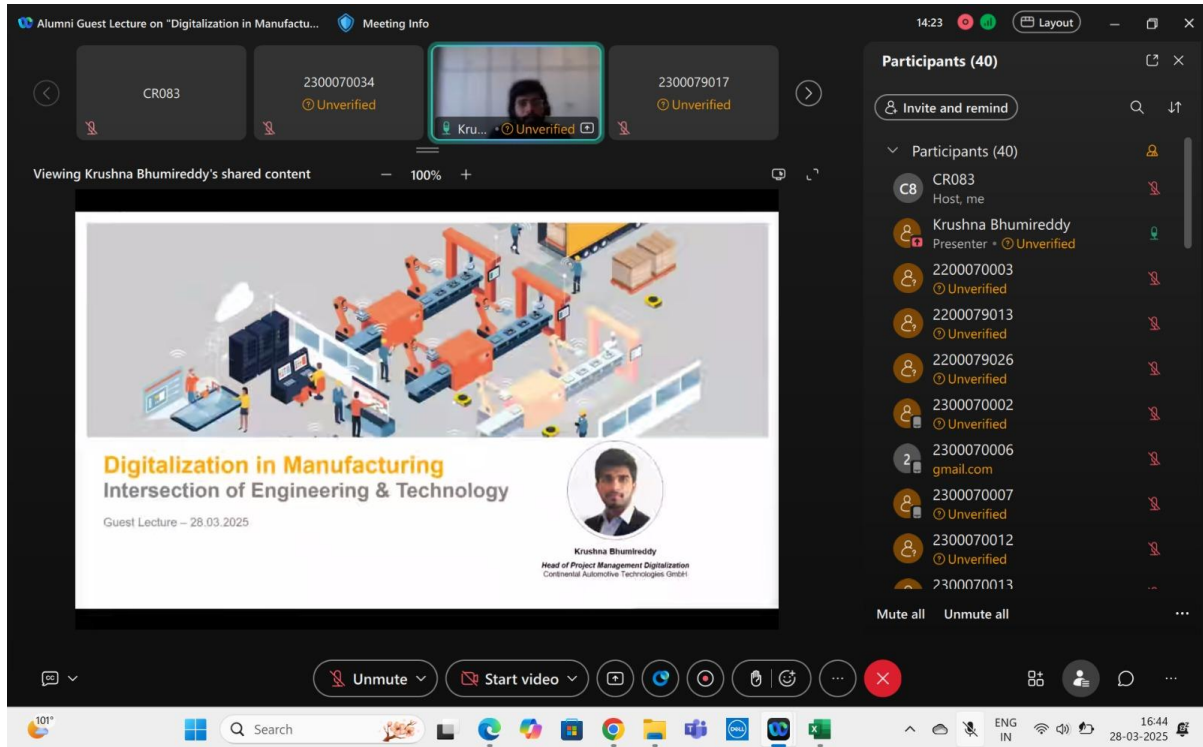
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Some of the Screen shots / Geo tagged pictures of event attached here





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Alumni Guest Lecture on "Digitalization in Manufactu... Meeting Info

42:09

Participants (37)

CR083 2300070034 Unverified 2200070003 Unverified

Viewing Krushna Bhumireddy's shared content 100%

Popular Software Used in Industries

Discrete-event Simulations	Finite Element Analysis	Computer Aided Design
Visual Components	Ansys	SolidWorks
Siemens Tecnomatix	Abaqus	Autodesk Inventor
Machinering iPhysics	SolidWorks Simulation	AutoCAD
KUKA Sim	HyperWorks	Siemens NX

Participants (37)

- CR083 Host, me
- Krushna Bhumireddy Presenter • Unverified
- 2200070003 Unverified
- 2200079013 Unverified
- 2200079026 Unverified
- 2300070002 Unverified
- 2300070006 gmail.com
- 2300070010 Unverified
- 2300070012 Unverified
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Mute all Unmute all

Unmute Start video

17:12 28-03-2025



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Speaking: Krushna Bhumireddy

Viewing Krushna Bhumireddy's shared content

100%

Digitalization Core Components in Manufacturing Example

- 1 PLC → Control the Machine
- 2 Robotics → Doing the Movement
- 3 IIoT → Engineer the Data
- 4 Simulations → Predict the Behavior
- 5 FEA → Analyze the Strength
- 6 CAD → Shape the Design
- 7 3D Printing → Build the Prototype
- 8 Prototyping → Test the Concept

GPS Map Camera

Guntur, Andhra Pradesh, India

Tadepalle, Guntur, 522302, Andhra Pradesh, India

Start video

Share

Lat 16.440601, Long 80.622863

03/28/2025 05:03 PM GMT+05:30

Note : Captured by GPS Map Camera

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ENG IN

28-03-2025

Alumni Guest Lecture on "Digitalization in Manufactu..." Meeting Info

CR083 Dr. B KIRAN KUMAR Unverified 2200070003 Unverified

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Key Takeaway

- 1 Comprehensive learning in mechanical engineering principles
- 2 Practical application of mechanical systems in projects
- 3 Deep comprehension of mechanical systems and their applications

- Focus on practical gaining practical experience
- Focus on projects with real world use cases
- For final year students → Prioritize your thesis

Participants (35)

Invite and remind

Participants (35)

- CR083 Host, me
- Krushna Bhumireddy Presenter • Unverified
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- 2200079013 Unverified
- 2200079026 Unverified
- 2300070002 Unverified
- 2300070006 gmail.com
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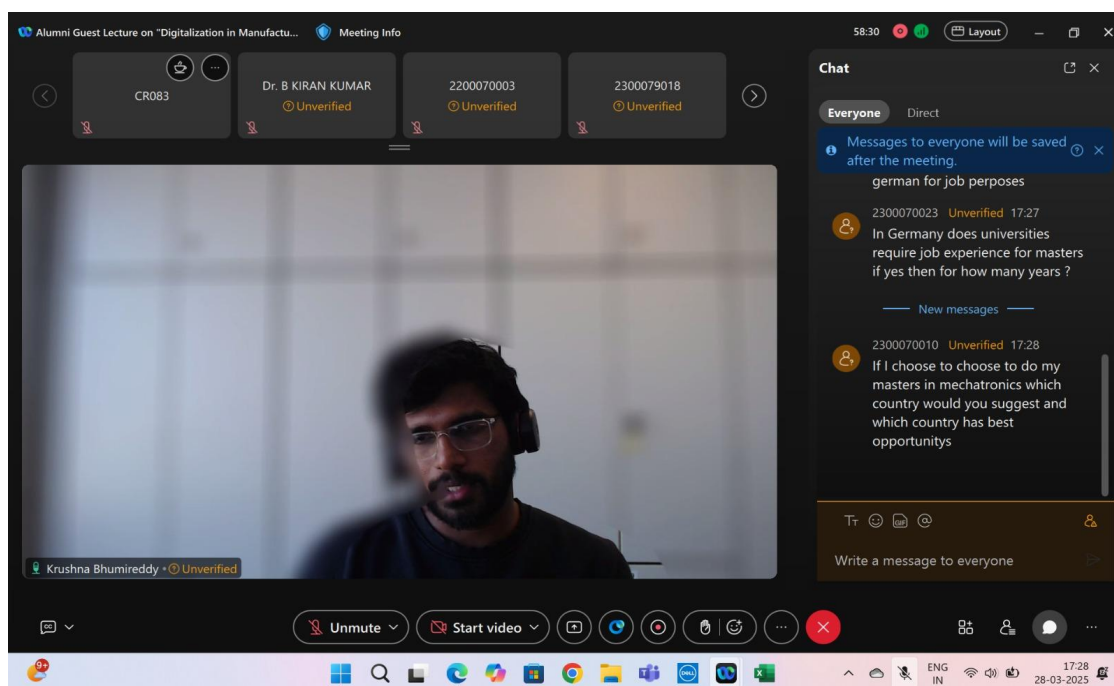
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Few students asked questions and interacted with speaker and then Dr. K. V. Durga Rajesh delivered Vote of Thanks to the speaker.

Prepared by
A.V.S Ram Prasad)

Approved by (Dr.
(Dr. T. Vijaya Kumar)