KLS Vishwanathrao Deshpande Institute of Technology
(Accredited by NAAC with "A" Grade)
(Approved by AICTE, New Delhi. Affiliated to VTU, Belagavi)
(Recognized Under Section 2(f) by UGC, New Delhi)
Udyog Vidya Nagar, Haliyal – 581329, Dist.: Uttara Kannada
Phone: 08284-220861
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
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Activity Report

On

Technical Talk on "EV and HEV System Technology"

Title of the Event: Technical Talk on "EV and HEV System Technology"
Date: 25-10-2025
Venue: Online Mode – Google meet (link- https://tel.meet/vpt-isvf-ymc)
Organized by: Prof. Prakash Chavan
Target Audience: 5th Semester Students and Faculty Members

Objective of the Event:
The main objective of this technical talk was to enhance the knowledge of students and faculty members about the recent advancements in **Electric Vehicle (EV)** and **Hybrid Electric Vehicle (HEV)** technologies, their system architecture, and their role in promoting sustainable and green mobility.

Resource Person:
Dr. Sanjeev K. Nayak (NITK)
EDU Manager, Alstom Bangalore
Dr. Nayak is a renowned expert in the field of Electric and Hybrid Vehicle Systems and shared valuable insights into the design, components, energy management systems, and technological trends shaping the future of transportation.

Event Summary:
The session began with a formal welcome address by **Prof. Prakash Chavan,** who warmly welcomed the **Principal**, Dr. V. A Kulkarni sir, **Deans, Heads of Department**, Prof. Smt, Rajeshwari N, faculty members, and students.
The distinguished speaker, **Dr. Sanjeev K. Nayak**, delivered an engaging and informative presentation on EV and HEV system technologies, covering topics such as powertrain design, battery management systems, energy efficiency, and challenges in the transition towards electric mobility.
Students interacted enthusiastically during the Q&A session, asking thought-provoking questions about real-world applications, recent innovations, and career opportunities in the EV sector.
The session concluded with a **vote of thanks** delivered by **Prof. Prakash Chavan,** expressing gratitude to the resource person, Principal, faculty, and students for their active participation and support.

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KLS VDIT

Haliyal, Uttara Kannada Dist. Karnataka – 581329

Department of Electrical and Electronics Engineering

Organizes

Technical Talk

On

"EV and HEV System Technology"

Dr. Sanjeev K. Nayak

EDC Manager Atom Bangalore

Prof. Prakash Chavan
Event Coordinator

Prof. Rajeshwari N
HOD

Dr. V. A. Kulkarni
Principal

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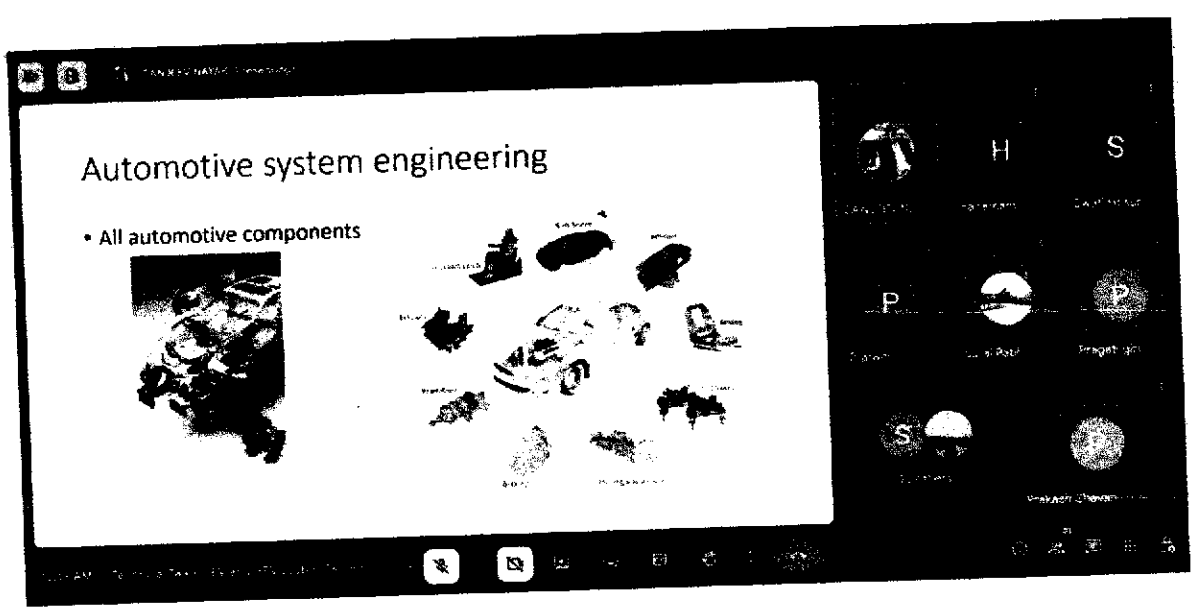

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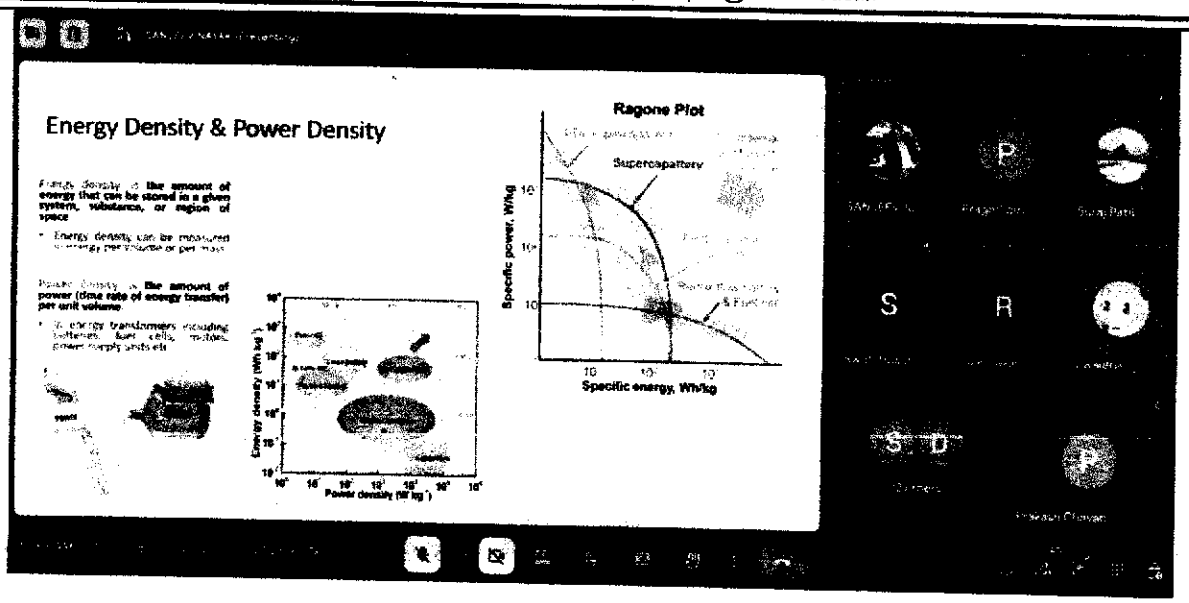

Outcome of the Event:

- Students gained practical insights into the working principles and future trends of EV and HEV systems.
- The session encouraged interest in sustainable and renewable energy-based transportation technologies.
- Faculty and students received valuable exposure to the latest industrial developments and research directions in electric mobility.

Conclusion:

The technical talk was highly informative and successful in meeting its objectives. It served as an excellent platform for students to bridge the gap between theoretical learning and industry practices related to Electric and Hybrid Vehicle technologies.

Event Coordinator

HOD 28/10/25

Principal

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