

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

An UGC Autonomous Institution, Approved by AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A++' Grade (III Cycle), Maisammaguda(H), Gundlapochampally (V),
Medchal ,Medchal - Malkajgiri District, Telangana - 500100, India.

Department of Mechanical Engineering **Report on Guest Lecture on** **Innovation trends and Startup Opportunities in Electrical Vehicles**

Level: Institute

Title: "Innovation trends and Startup Opportunities in Electrical Vehicles"

Category: Guest Lecture

Date: 30th January 2023

No. of Resource Persons: 01

No. of Participants registered: 120 Students + 12 Faculty

Organizers: Department of Mechanical Engineering

Mode: Hybrid (Online + Offline)

Objective of the Session

The aim of this program is to provide participants with a broad exposure to the recent trends and innovative ideas flourishing in the field of automobile engineering. The Objective of this workshop is to enhance the understanding & skill set of its participants.

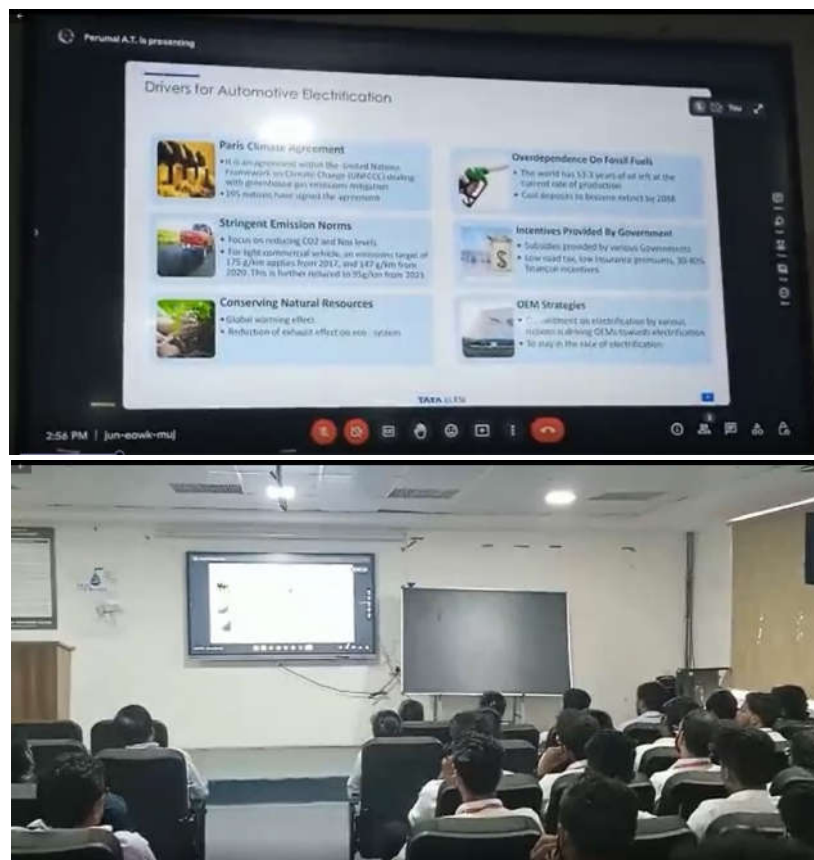
Course Outcomes

Upon completion of this course, the participants would be better equipped to continue and contribute in the field of Automobile Engineering and electric Vehicles and hybrid vehicles

Report:

Dr. Manish Sharma welcome the gathering and invited the Head of the department to introduce the department and college to the guest speaker. Dr. A Raveendra welcome the principal and director of the institute and speaker of the session Mr. A T Perumal, Head – Electrification CoE (EV& FCV -Mechanical & Electromechanical Systems) TATA ELXSI Bangalore. The session advanced by introduction of the speaker to gathering by Dr. Manish Sharma, Associate Professor, Mechanical Engineering. Dr. T Srinivas Reddy Coordinator of IIC Malla Reddy Engineering College welcomed the speaker and handed over the dice for him. Mr. A T Perumal Being with Tata Elxsi for 15years, he is currently heading the Electrification CoE responsible for Mechanical and Electro mechanical system deliveries for both Electric and Fuel Cell electric vehicles to the global customers, lead the session by introducing the importance of

the hybrid Vehicles, a brief history of the Electrical and its variation from the day of its inception. The session progressed with the different opportunities in the field by setting up of the industries for the various components required in the manufacturing of the automobile. The vehicular technology drift from the IC engine to Electric vehicles and recent advances in the IC engine for Hybrid combustion were also discussed and the different configurations of hybrid vehicles along with the practical application in the current vehicle were also demonstrated. The session was ended by the question-and-answer session. The feedback from the participants were collected in the google form and participants' queries were passed to speaker through mail. Dr. Manish Sharma proposed the vote of thanks to speaker to end the session. Some of the screen shots and photos are attached for reference



Sharma
Coordinator

Renuka
HOD