



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**Academic year- 2022-23**

Date: 03<sup>rd</sup> March, 2023

**Name of Event:-Two Day's MSBTE Approved FDP on "Recent Trends in Electric Vehicles & Artificial Intelligence"**

**Date of Event:** - 01<sup>st</sup> March - 02<sup>nd</sup> March, 2023

**Resource Person:-**

- ❖ Dr. OmPrakash G. Kulkarni, (Scientist, Mentor, Advisor, Technology Provider & Consulting Engineer)
- ❖ Dr. Kishor. V. Bhadane,( Associate Professor, Amrutvahini College of Engineering, Sangamner)
- ❖ Dr. Mangesh D. Nikose, (HOD, EEED, SOET, SUN, Nashik)

**Venue:** - Sandip Polytechnic, Nashik

**Objectives:-**

Its main Objective is to enriching experience and will provide valuable insights into the latest developments in electrical vehicles.

**Outcomes:-**

1. Learn Model Based Design (MBD) & HIL testing
2. Selection of Motor and advanced motor control techniques in Electric vehicle
3. Applications of advanced technologies like 5G, AI, and IOT for EV development
4. Learn Algorithms for state estimation of BMS in EV
5. Identified Practical difficulties and failures that can occur in HV and Integration
6. V-cycle, DFMSEA, Reliability analysis for launching a fleet.
7. To know about Power Distribution Box, Battery Thermal Management 7 Systems for Fuel Cell Vehicle.

**About Faculty Development Program:-**

This faculty development program (FDP) is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to Electric Vehicles and is open for Faculty members, Research Scholars. India has set a target of EV sales penetration of 30% of private cars, 70% of commercial cars, 40% of buses and 80% of two and three-wheelers by 2030. In absolute numbers, these would amount to having 8 crore electric vehicles on the road by 2030.

**Photos:-**





