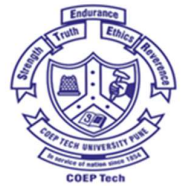




# AICTE Training and Learning (ATAL) Academy Sponsored One Week Faculty Development Programme



**On**

## “Electrifying the Future: A Comprehensive FDP on Electric Vehicles”

*Organized by Electrical Engineering Dept., COEP Technological University (January 8-13, 2024)*

Coordinator: Dr. Meera Murali

Co-coordinator: Dr. Snehal Unde

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Monday, 8 <sup>th</sup> Jan 2024	Tuesday, 9 <sup>th</sup> Jan 2024	Wednesday, 10 <sup>th</sup> Jan 2024	Thursday, 11 <sup>th</sup> Jan 2024	Friday, 12 <sup>th</sup> Jan 2024	Saturday, 13 <sup>th</sup> Jan 2024
9:00 – 9:30 Inauguration					
9:30 – 12:00 <b>Topic: Challenges in Automotive Product Development</b> Dr.A.K.Prakash (VP R&D, Varroc India Ltd.)	9:30 – 12:00 <b>Topic: Battery Charger and Management Systems</b> Dr.Manoj Rathi (Director at Research Center For Sustainable Solution Pvt Ltd, Nasik)	9:30 – 12:00 <b>Topic: Challenges and Opportunities in Indigenisation of E-mobility from an Indian Perspective</b> Dr. Sushil Ramdasi (Deputy Director , ARAI)	9:30 – 12:00 <b>Topic : Evolution and Architecture of Hybridization in EV</b> Ameya Gambhir (General Manager Spark Minda Technology Centre.)	9:30 – 1:00 Industrial visit (ARAI/ EV Manufacturer)	9:30 – 12:00 <b>Topic : Motors for EV Applications.</b> Dr.R.T.Ugale (Head - EED, COEP Tech)
12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion		12:00 – 1:00 Reflection Journal
1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 <b>Topic: Wireless Charging</b> Dr.A.G.Thosar (Prof. EED, COEP Tech)	2:00 – 4:30 <b>Topic : PE Concepts for Battery Charger</b> Dr. Manoj Rathi (Director at Research Center For Sustainable Solution Pvt Ltd, Nasik)	2:00 – 4:30 <b>Topic: Battery Management System and Battery Chemistry</b> Abhishek Mandhana (Lead Advance Engineering Technologies, HELLA India)	2:00 – 4:30 <b>Topic: Embedded Controllers for EV</b>  Anirudha Barve (Chief Program Engineer, ER&D, TTL)	2:00 – 4:30 <b>Topic: Communication Protocols and Sensors Used in EV</b> Dr. R.D.Joshi (Asso.Prof. EnTc, COEP Tech)	2:00 – 3:00 Stress Management 3.00 – 4.30 pm MCQ, Feedback & Interactions
4:30 – 5:30 Lab1 <b>“Smart charging for EVs”</b> Ador Powertron Ltd.	4:30 – 5:30 Lab 2 <b>“Simulation in Scilab for Battery Charger Design”</b>	4:30 – 5:30 Lab 3 <b>“Battery Modeling and BMS using MATLAB and Simulink”</b> Mathworks Ltd.	4:30 – 5:30 Lab 4 <b>“Efficiency and Innovation Power Supply Design and Motor Drive Embedded Development”</b> Altair India Ltd.	4:30 – 5:30 Lab 5 <b>“Electromagnetic Simulation of EV Motor Drive”</b> Ansys Ltd.	4:00 – 5:00 <b>Valedictory Session</b>