



# COEP Technological University, Pune

A Unitary Public University of Government of Maharashtra

w.e.f 21<sup>th</sup> June 2022

(Formerly College of Engineering Pune)

## Department of Mechanical Engineering

*offers*

# ONE YEAR FULL TIME POST GRADUATE DIPLOMA IN ELECTRIC MOBILITY (PG-DEM)



Design



Develop



Deliver

## About the Course :

Mobility with internal combustion engines (ICE) has been the backbone of the Industrial Revolution. With Electric Mobility we are moving towards the future with immense technological opportunities. Due to fossil fuels depletion and environmental pollution, Electric mobility has become an unavoidable part of the energy transition from ICE to Electrical. With opportunities come challenges: there will be fundamental changes for the user's vehicle manufacturers governments and policymakers. Vehicle technology will become truly interdisciplinary.

The first step in facing technological challenges and exploiting opportunities is to learn, understand the technology. The one-year Post-Graduate Diploma in Electric Mobility (PG-DEM) is a course for those who want to prepare for exciting careers in future mobility solutions. The course is designed for fresh graduates and experienced professionals working in the industries. COEP Technological University is the torch bearer of Engineering education in Pune and India. The professionals of ARAI and the faculty of COEP Tech. Univ., together with other institutes and industries in India, will develop you for upcoming challenges and opportunities in the transition from ICE Mobility to Electric Mobility.

The course includes classroom lectures, video lectures, presentations and tutorials, all reinforced with practicals on state-of-the-art EV infrastructure. You will be exposed to current developments in ELECTRICAL VEHICLE technology, charging issues, and Government policies through case studies and real-world projects. One of the prime objectives of the course is to create innovators in the field of Electric mobility, and accordingly, the spectrum of learning is vast that goes from fundamentals to advanced technology.

## What you will learn?

- Electric Vehicles system design and integration
- Energy Storage Systems such as Lithium-Ion Batteries, Supercharges and Fuel Cells Powertrains and controls in EV
- Thermal management and mechanical design of EV components and systems
- International standards, Government policies and regulations for electric mobility

## Faculty

In-house as well as renowned and experienced faculty from the industries, R&D organizations and other reputed institutes will be involved in teaching-learning process of the entire program.

### Eligibility Criteria

Engineering Graduate in Mechanical/ Electrical /  
Electronics & Telecommunications/ Instrumentation /  
Automobile and all allied branches.

### Course Fee

Rs. 1,75,000/- for full course

### Selection Criteria for Admission

Written Test / Interview

### Total Number of Seats

40 Seats

For more details, please contact

## Prof. M. R. Nandgaonkar

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