



ABOUT THE COURSE:

PGD-EAV is a course for those who wish to dive into exciting careers in future mobility solutions. The course is designed for fresh graduates and experienced professionals working in industries. K.E. Society's Rajarambapu Institute of Technology (RIT), Rajaramnagar, Islampur and ARAI, Pune are jointly hosting this course.

Faculty from RIT & ARAI and also professionals from various Automotive Industries will prepare the students for upcoming challenges and opportunities in the field of Electric and Autonomous Vehicles. The course includes class room / online lectures, presentations, tutorials, practical and mini-projects. Students will be exposed to current developments in EV / HEV Technology, Connected / Autonomous Vehicle Technology, Charging Infrastructure and Testing & Certification as per AIS standards through case studies and real world projects.

COURSE DETAILS:

Trimester I

- Bridge Course
 - Fundamentals of Automotive Electrical & Electronic Systems (for Mechanical group)
 - Fundamentals of Automotive Mechanical Systems (for Electrical group)
- Vehicle Dynamics and Control
- Power Electronics (includes Motors and Drives for EVs)
- xEV Architecture (incl. Batteries, Fuel Cells & Super Capacitors for EV)
- **Elective-I**
 - Intelligent Transport Systems
 - Battery Management System
- Lab I
- Mini Project-I

Trimester II

- Modelling and Simulation of EHV's
- Intelligent Algorithms (Incl. AI, ML & Control Systems)
- Automotive Embedded System & Communication Protocols
- Autonomous Vehicles
- **Elective-II**
 - Testing & Certifications for EVs
 - Charging Infrastructure
 - EMI/EMC
- Lab II
- Mini Project-II

Trimester III

- Full time Project

Place of Study/Project :-



Total Number of Seats: 20

ELIGIBILITY CRITERIA:

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

COURSE FEES:

Rs. 1,60,000/- for Full Course

SELECTION CRITERIA:

Written Test / Interview by joint selection committee



Our Industry Partner in the initiative



For delivering Expert Lectures Series on
Modelling and Simulation of EHV's



Contact details:-

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