

ABOUT THE COURSE:

There is a necessity of re-skilling / upskilling of the knowledge of the working professionals. The automotive paradigm is shifting very fast and electric mobility, with connected and vehicle autonomy are being adopted world-wide. It becomes imperative to the Indian automotive professionals to relearn and meet the OEM's realistic demands.

PGD-EAV is an apt course for those who wish to dive into exciting careers in future mobility solutions. The course is designed specifically keeping the active-work-life-study balance. 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 engage with the selected participants. The course includes online lectures & laboratory sessions on evening (of working days) and Saturdays. Hence, without quitting their jobs, enrolled professionals 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 using blended online teaching learning. Final project in Trimester III is to be completed at his/her sponsoring organization.

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
- Elective-I
 - Intelligent Transport Systems
 - Battery Management System
- Lab I
- Mini Project-I

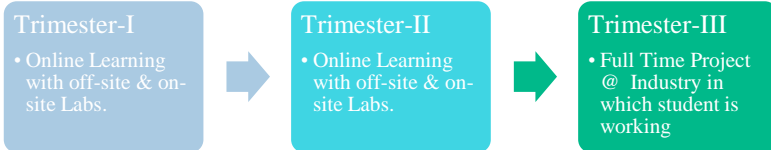
Trimester II

- Modelling and Simulation of EHV's
- Intelligent Algorithms
- 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 and working in industry related to electric/autonomous vehicle manufacturing or allied services.

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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