



offers

M. Tech. Automotive Technology

in collaboration with

The Automotive Research Association of India (ARAI), Pune, India

Objective:

This programme aims to create a new generation of engineers who are prepared to meet the demands of the Automotive and its allied industries by applying a three pronged approach integrating Research, Education & Industrial Outreach.

About us:

College of Engineering, Pune (CoEP), chartered in 1854 is a nationally respected leader in technical education. The institute is distinguished by its commitment to finding solutions to the great predicaments of the day through advanced technology. The institute has a rich history and dedication to the pursuit of excellence. CoEP offers a unique learning experience across a spectrum of academic and social experiences. With a firm footing in truth and humanity, the institute gives you an understanding of both technical developments and the ethics that go with it. The curriculum is designed to enhance your academic experience through opportunities like internships, study abroad programmes and research facilities. The hallmark of CoEP education is its strong and widespread alumni network, support of the industry and the camaraderie that the institute shares with several foreign universities. The institute is consistently ranked amongst the top 20 technical colleges in India and its alumni have contributed a lion's share in development of national infrastructure.

The Automotive Research Association of India (ARAI) is well-known Automotive Research, Development, Testing & Certification Institute in the country. The skill development initiative of ARAI was started in 2004 through the department ARAI Academy with the aim of bridging the gap between industry and academia. It is located in the industry hub at Chakan, Pune. ARAI Academy is conducting Graduate, Post Graduate, PG Diploma & Ph.D programmes in collaboration with various universities in India. It is equipped with labs such as Engine, Automotive Engineering Systems, Automotive Electronics & Embedded system, EMI & EMC, Noise & Vibration, EV & EHV, AI-ML, etc. where students can gain hands-on experience. The students are exposed to the latest trends in automotive technologies which help them to meet the requirements of Automotive Industry.

Courses in the Programme:

CORE COURSES:

- Computational Methods in Engineering
- Automotive Fuels & Emission
- Automotive Engineering Systems
- Communication Skill and Seminar
- Research Methodology
- Humanities
- Vehicle Dynamics
- Automotive Electronics
- I.C. Engine Modelling
- Automotive Engine Design
- Intellectual Property Rights
- Liberal Learning Course
- Automotive Lab-I
- Automotive Lab-II
- Mini Project

SPECIAL / ELECTIVE COURSES:

- Automotive Materials & Composites
- Combustion Engineering
- Automotive Tribology
- Automotive Safety and Lighting
- Hybrid and Electric vehicles
- Automotive NVH
- Modelling of Automotive Systems
- Auto Testing and certification
- Finite Element Method
- Computational Fluid Dynamics
- Automotive Aerodynamics
- Automotive systems Design
- Automotive HVAC

Degree: The final degree is awarded by COEP, Pune in association with ARAI, Pune

Eligibility Criteria:

BE / B.Tech or Equivalent Degree in Mechanical/ Automobile/ Production/ Manufacturing Engineering or Mechatronics. And as per criteria declared by DTE, State of Maharashtra

Total Number of Seats: 36 Nos. | **Course Duration:** 2 years
Tuition Fees :
Sponsored Candidates - Approx. INR.1,91,400/- per year
Non Sponsored Candidates - Approx. INR.1,61,900/- per year

HOW TO APPLY

Admission details can be availed by visiting: <http://www.coep.org.in/admissions/graduateprogram>

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