

M. Tech. Automotive Engineering

in collaboration with

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

Objective:

This M.Tech program aims to develop a new generation of automotive engineers needed for design and development of vehicles and their subsystems. We strive to prepare the students through a variety of teaching methods, practical and extracurricular education, who will work with sophisticated technologies to create products for future mobility.

About us:

Chitkara University (CUPB) is located just 30km from Chandigarh. It offers a world of learning that will help you reach your goals, opportunity to get placed at one of the 1000+ companies that visit for campus recruitment. Learn from an outstanding faculty at our state-of-the art teaching facilities. Choose from our varied industry endorsed programs. Breakthrough programs. Rising rankings. Outstanding alumni network. Highly rated academic credentials. Unlimited opportunities to embark on research from day one. Experience global education with 250+ foreign University partners. Kickstart your startup idea at one of the largest University Incubators.

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 :

- Automotive Body & Chassis Systems
- Automotive Engines and Combustion
- Automotive Transmission Systems
- Automotive Electrical & Electronics
- Vehicle Dynamics and Control
- Noise, Vibration & Harshness
- Engine Electronics and Management Systems

Specialized Courses:

- Vehicle and Engine Testing
- Engine Design and Development
- Automotive Safety & Crashworthiness
- Automotive Fuels & Emissions
- Hybrid Electric Vehicles
- Automotive Aerodynamics & Styling
- Autonomous & Connected Vehicles

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

Eligibility Criteria:

- 60% in Class X & XII
- BE / B.Tech or AMIE in Mechanical/ Automobile/ Manufacturing/ Mechatronics
- Preference is given to industry sponsored candidates
- Students will be required to go through online test followed by Personal Interview

Total Number of Seats: 60 Nos.

Course Duration: 2 years

Tuition Fees : Rs. 75,000/- Per Semester + Other fees

HOW TO APPLY

Admission details can be availed by visiting: <https://www.chitkara.edu.in/arai/>



Contact Details:

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