

B. Tech. Automobile Engineering

(with specialization in Electric Vehicles and Hybrid Electric Vehicles)

in collaboration with

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

Objective:

The objective of the program is to make the students to understand how to model, evaluate, and design the vehicle and its subsystems using contemporary engineering and design technologies subjected to moral, social and environmental constraints.

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:

- Mathematics
- Thermodynamics
- Manufacturing Processes
- Design Thinking
- Strength of Materials
- Automotive Vehicle Systems
- Fluid mechanics
- Automotive Engines
- Material Technology
- Rigid Body Dynamics
- Industrial Automation & Robotics
- Deep Learning
- Automotive Manufacturing
- Automotive Electrical and Electronics
- Artificial Intelligence

Specialized Courses:

- EV Thermal Systems
- Automotive Mechatronics
- Electric and Hybrid Vehicles
- Energy Storage Systems for EV
- Battery Management System
- Vehicle Dynamics and Aerodynamics
- Modelling and Simulation of EHV
- Testing and Certification of Vehicles

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

Eligibility Criteria:

- XII passed with a minimum aggregate of 55% or secures 55% in Physics, Chemistry and Mathematics in Class XII, JEE-MAINS 2022 [Feb/Mar/Apr/May] mandatory.

Total Number of Seats: 60 Nos.

Course Duration: 4 years

Tuition Fees : Rs. 90,000/- Per Semester + Other fees

HOW TO APPLY

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



Contact Details:

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