



2 Year M.Tech in Automotive Engineering

in collaboration with

ARAI[®]

Progress through Research



Program Overview

This M.Tech program intends to develop a new breed of Automotive engineers required for the task of design and development in the automotive industry. We strive to improve the technical and professional skills of students through various teaching methods, hands-on and out-of-classroom education.

- Highly specialised Automotive program for Engineering graduates
- 1st Year intensive learning at Chitkara University's campus
- 2nd Year program that includes core modules delivery, innovative guided projects & path breaking masters thesis in newer Automotive domains shall take place at ARAI-Pune
- Industry endorsed curriculum for the Masters program
- Regular interaction with Automotive industry leaders
- Placement opportunities in leading Automotive companies after the completion of the program
- Focus on project based learning that integrates research, education and outreach

Semester 1 - Advanced Mathematical Methods | Foreign Language | Student Centered Minor Project | Mechanical CADD | Automotive Body & Chassis Systems | Automotive Engines and Combustion

Semester 2 - Automotive Transmission Systems | Foreign Language | Student Centered Minor Project | Additive Manufacturing | Automotive Electrical & Electronics | Vehicle Dynamics and Control

Semester 3 - Noise, Vibration & Harshness | Vehicle and Engine Testing | Engine Design and Development | Automotive Safety & Crash Worthiness / Automotive Fuels & Emissions | Engine Electronics and Management Systems / Automotive Aerodynamics & Styling | Autonomous & Connected Vehicles / Hybrid Electric Vehicles

Semester 4 - Major Project Work & Masters Theses

About CHITKARA UNIVERSITY, Chandigarh

Located just 30km from Chandigarh, Chitkara University 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.

COME AND EXPLORE YOUR POTENTIAL AT CHITKARA UNIVERSITY.

Admission Requirements

- 60% in Class X and XII
- B.E/B.Tech/AMIE in Mechanical/Automobile/Production/Manufacturing/Mechatronics. Preference is given to industry sponsored candidates
- Students will be required to go through online test followed by personal interview.

Tuition Fees: Rs. 75,000 (Per Semester)

- Students need to pay Rs.15,000/- towards ERP /Career Advancement Services (ICAS) at the time of admission.

About ARAI

Automotive Research Association of India (ARAI) is a well-known Automotive Research, Development, Testing & Certification Institute in the country. The skill development initiative of ARAI is ARAI Academy, located in the middle of Industry at Chakan. It has classroom and various laboratories like IC Engine, Noise & Vibration, Simulation, CAED, GTEM, Automotive Engineering Systems, Automotive Electronics & Embedded Systems etc. The students are exposed to the latest trends, which help them to meet the requirements of Automotive Industry.

For Further Details

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Dr. K. C. VORA

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