

#### VISION

To be one of the world's esteemed training & education academies for advanced education & research in the field of mobility engineering.

#### MISSION

To train, educate and enrich knowledge base of mobility engineers through Industry-Academia interaction with an aim to develop human resources for ever expanding mobility sector.

## CHRIST (Deemed to be University) FACULTY OF ENGINEERING

Offers a course in

### B.Tech Automobile Engineering

in collaboration with **ARAI ACADEMY**  
THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA, PUNE

#### VISION

EXCELLENCE AND SERVICE

#### MISSION

"CHRIST (Deemed to be University) is a nurturing ground for an individual's holistic development to make an effective contribution to the society in a dynamic environment.



#### COURSE OBJECTIVE:

This program is jointly conducted by Christ (Deemed to be University), Bengaluru and ARAI, Pune to develop a new breed of engineers required for the ever expanding automotive industry. We strive to improve the technical & professional skills of the students through various teaching methods, hands on & out of classroom education. More stress will be given to project based learning that integrates research, education & outreach.

#### Details of 4 Years B. Tech. Automobile Engineering

The students will do their project work either at CHRIST (Deemed to be University), ARAI or at any automotive & allied industry

#### INFRASTRUCTURE :

**CHRIST** (Deemed to be University) Faculty of engineering was started in the year 2009 to impart technical education in engineering and develop holistic and technically competent engineers to contribute significantly to the society and nation. Automobile Engineering is well equipped with state of the art labs for the program and advanced labs including electric mobility set-up with the participation of industry leaders including MBRD, Mahindra, RNAIPL, SAFRAN and facilitated by ARAI, to meet the industry needs and technological challenges at a global level.

**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 Classrooms and various laboratories like Automotive Engineering System, Engine Testing, Alternative Fuel, Simulation, NVH, CAE, Electronics, EMI/EMC, HIL etc. The students are exposed to the latest trends, which help them to meet the requirements of the Automotive Industry.

**ELIGIBILITY :** Passed XII or its equivalent examination of any recognized Board/Institution with Minimum 50% marks in Mathematics, Physics and Chemistry as major subjects.

**HOW TO APPLY :** Apply online on [www.christuniversity.in](http://www.christuniversity.in), and for further details you may contact :

#### Professional Core Subjects :

- Professional Development
- Automotive Materials & Manufacturing
- Automotive Engines / Systems
- Automotive Chassis
- Design of Automotive Components
- Alternate Fuels and Energy Systems
- Noise Vibration and Harshness
- Automotive Electrical and Electronic Systems
- Vehicle Body Engineering and Safety
- Finite Element Methods
- Engineering Economics and Automotive Cost Estimation

#### Open / Global Elective Subjects :

- Automotive Emissions and Control
- Automotive Aerodynamics
- Automotive Transmission System
- Vehicle Dynamics
- Vehicle Transport Management
- Simulation of IC Engine Process
- Two & Three Wheelers
- Hybrid and Electric Vehicles
- Automotive Heat Ventilation & Air Conditioning
- Automotive Testing & Certification
- Trouble Shooting, Servicing & Maintenance of Automobiles

#### Prof. James Sathya Kumar

Coordinator-AE  
Department of Mechanical & Automobile Engineering

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#### Mr. Punit Kongi

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#### Dr. K. C. Vora

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#### TUTION FEES:

(For Students who studied in India)

Rs. **1,65,000** in the first two years & Rs. **2,30,000** for the subsequent years