



JSPM University, Pune, India



JSPM UNIVERSITY PUNE

Inspiring Innovation. Transforming Talent.

offers

B. Tech. Mechanical Engineering

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 any mechanical system and its subsystem using contemporary engineering and design technologies subjected to moral, social and environmental constraints.

About us:

JSPM University (JSPM), located at Wagholi, Pune is established as Jayawant Shikshan Prasarak Mandal (JSPM) in 1998 with the objective of creating centers of excellence for education in the field of Engineering, Medical, Pharmacy, Management and Computers. The management envisions that a social transformation can be brought about through the medium of dynamic education. Today JSPM is an agglomerate of more than 78 institutes spread across six campuses providing quality ranging from "Pre-school to Doctoral Research" for over 60000+ students in the metropolitan region of Pune.

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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