



JSPM University, Pune, India



offers

B. Tech. Robotics & Artificial Intelligence

in collaboration with

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

Objective:

The objective of the program is to nurture the best robotics and artificial intelligence (AI) engineers possible by fostering excellence in teaching, learning, and research.

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*:

- Fundamentals of Robotics & AI
- Control Systems
- Machine Learning
- Sensors and Actuators for Robotics
- Advances in Robotics and Artificial Intelligence
- Hydraulic & Pneumatic Drives for Robots
- Kinematics of Robotics
- Dynamics and Trajectory Planning
- Robot Operating Systems
- Image Processing & Computer Vision

Specialized Courses*:

- Mobile and Micro-robotics
- Intelligent Manufacturing
- Advanced Robotics Programming
- Advanced Artificial Intelligence
- Micro Electro Mechanical Systems
- Robot Dynamics and Control
- Mechatronics System Design

*Under Scrutiny and awaiting approval.

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

Eligibility Criteria:

- Passed HSC with Physics, Chemistry, and Mathematics with 45% marks (40% mark for reserved category).
- Admission Procedure CET/ JEE / Preeminent Education & Research Association (PERA).

Total Number of Seats: 60 Nos.

Course Duration: 4 years

Tuition Fees : Rs. 1,85,300/- Per Year + Other fees

HOW TO APPLY

Admission details can be availed by visiting: <https://jspmuni.ac.in/admission-apply>



Contact Details:

Admissions Officer,
JSPM University,
Gat No. 719/1&2, Wagholi, Pune-Ahmednagar Road,
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Ph.No.: +91 90672 82222, +91 90679 63333, +91 90678 24444

Email: admissions@jspmuni.ac.in

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