



# B.TECH IN ROBOTICS



# ARTIFICIAL INTELLIGENCE



**Department of Mechanical Engineering  
Faculty of Engineering & Technology  
Jamia Millia Islamia, New Delhi, India  
(NBA Accredited, NAAC A++ , NIRF 4th Rank)**

The Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi-110025, is pleased to announce the launch of a new Undergraduate Programme in Robotics and Artificial Intelligence, which integrates mechanical, electrical, electronic, and computer engineering concepts.

The B.Tech in Robotics & AI is a 4-year full-time, AICTE-approved program designed to equip students with latest concepts in Robotics, Artificial Intelligence and allied domains to meet the demands of industry and academia. Key features include a comprehensive curriculum, a core supportive group, a strong emphasis on practical training, and upskilling through well-equipped labs and workshops. Admission will be based on JEE (Main) rank and as per the guidelines laid down in the Jamia Millia Islamia admission prospectus 2026.

## **Course details:**

- **Duration:** 4 years, full-time
- **Approval:** Approved by the All India Council for Technical Education (AICTE) and UGC

- **Admission:** Based on JEE (Main) rank, as determined Jamia admission prospectus 2026
- **Intake:** 60 seats in the first year

### **Key Highlights of the Programme:**

- Strong foundation in Mechanical Engineering, Robotics, and Artificial Intelligence
- Practical training in robot design, automation, sensors, actuators, and control systems
- Exposure to Python programming, machine learning, computer vision, and AI applications
- Hands-on projects in industrial robotics, autonomous systems, drones, and smart machines
- Industry-oriented curriculum aligned with future technological needs
- Opportunities for innovation, research, internships, startups, and higher studies

### **Specializations:**

- Industrial Robotics
- AGVs
- Drone Technology
- Generative AI

### **Career Opportunities:**

Graduates of this programme can explore career opportunities in:

**Robotics Engineering | AI & Automation | Mechatronics | Industrial Automation | Smart Manufacturing | Autonomous Vehicles | Drones & UAVs | Research & Development | Product Design | AI-based Mechanical Systems**

# SOME GLIMPSES OF THE DEPARTMENT



**Industrial Robot ER-4U**



**Industrial Robot ER-V +**



**Industrial Application**



**PLC Training Kit**



**Hydraulic Training Kit**



**Pneumatic Training Kit**



**Sensors & Actuator kits**



**Industrial Application**



**CNC Lathe Machine**

# SOME GLIMPSES OF THE DEPARTMENT



**3D Printing Machine**



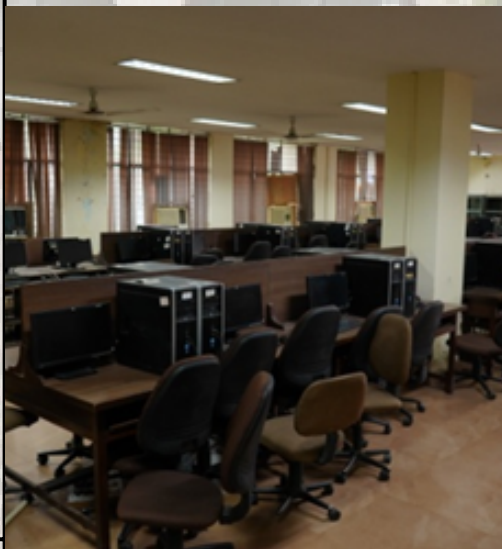
**5 MP, Blue Light Scanner**



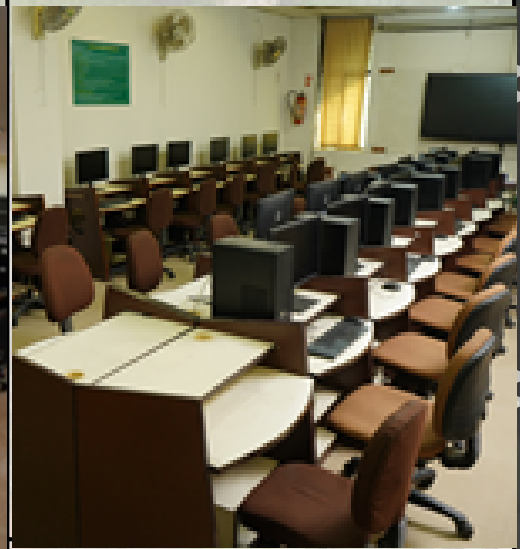
**Vertical CNC Milling Machine**



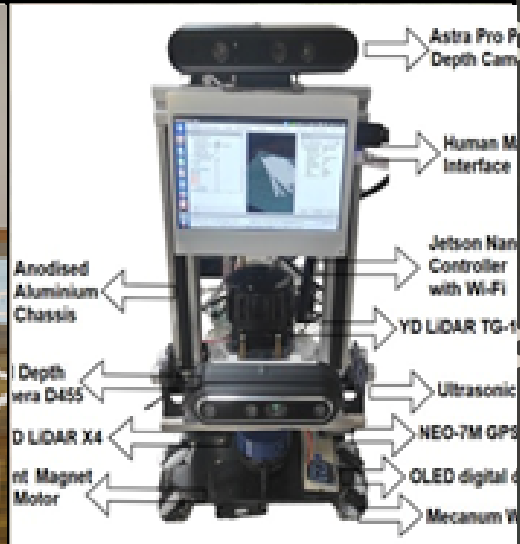
**Mechanical Workshop**



**AI-Python & ML Lab**

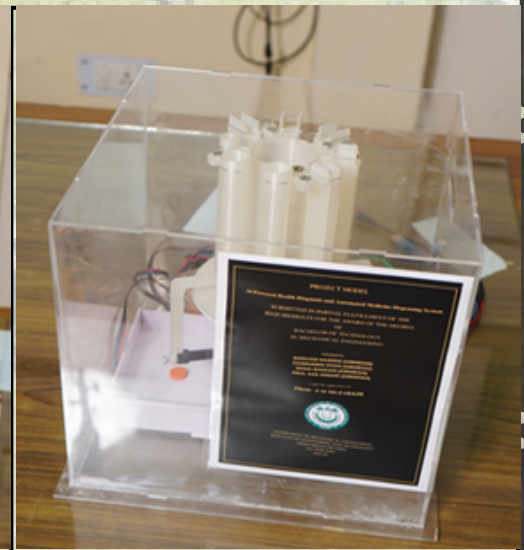
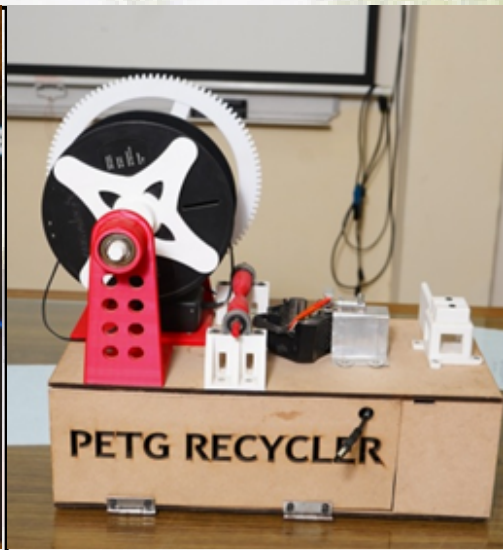


**Modelling & Simulation Lab**



**Robotics Research Projects in Progress**

# SOME GLIMPSES OF THE DEPARTMENT



## UG Students Mechatronics Projects

The programme is ideal for students who are interested in technology, machines, programming, innovation, and solving real-world engineering problems through intelligent systems. The Department of Mechanical Engineering invites aspiring students to become part of this future-ready programme and develop the skills required to contribute to the next generation of robotics and AI-driven industries.

**Contact for Course Related Queries :**

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**E-Mail: [mechanical@jmi.ac.in](mailto:mechanical@jmi.ac.in)**

**Contact for Admission Related Queries:**

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