

## MTECH IN ELECTRONICS AND INSTRUMENTATION ENGINEERING (ROBOTICS AND AI)

### Department of Electronics and Instrumentation


It is an interdisciplinary department that deals with the knowledge domains of electronics, instrumentation, control and automation of every important system that governs the modern life.

### Centre for Robotics and Automation

The Centre is a central facility equipped with modern infrastructure and state-of-art equipment established by Institute of Technology to promote and facilitate the R&D in the field of Robotics and Automation.

### Program Highlights:

Interdisciplinary Approach | Hands-on & Practical Learning | Industry & Research Connect | State-of-the-Art Infrastructure | Global Exposure & Research Opportunities

 **Duration:** 2 Years (4 Semesters)

### Major Courses:

Robot Manipulators | AI | Optimization | Control Systems | SBCs | Sensors & Actuators | Mobile Robotics | Machine & Deep Learning | Digital Image Processing | WSN & IoT | Nonlinear & Digital Control | PLC | Aerial Robotics | Underwater Robotics | Soft Robotics

### Eligibility:

BE/BTech in Robotics Engineering/ Electronics and Instrumentation/ Mechanical/ Instrumentation & Control/ Electronics and Communication/ Computer Science Engineering/ Mechatronics/ Electrical or equivalent allied branches with minimum 50% marks

### Specialised Laboratories

Robot Simulation | SBC Applications | Mobile Robotics | AI & ML | Advanced Control Systems | Software Lab | Underwater Robotics | Aerial Robotics | Soft Robotics

### Professional Student Bodies



**APPLY NOW**



### Career Opportunities

Robotic System Engineer | AI Researcher | Autonomous Systems Developer | Industrial Automation Engineer | Embedded System Engineer | IoT & AI Consultant |

