



FutureMech

Robotics, AI & Smart Automation



16th to 20th February, 2026 | 9:30 AM to 05:00 PM

Venue: Mechanical Seminar Hall and CAD Lab, Acharya Campus

About the Program

Objectives of the Program

- Foundational knowledge in Robotics and Artificial Intelligence, enabling students to understand core concepts, architectures, and real-world applications.
- Develop practical skills in working with sensors, actuators, and robot control systems for designing and implementing intelligent robotic solutions.
- Introduce smart robotics and AI techniques, helping students apply basic machine intelligence to enhance robotic behaviour and decision-making.
- Enable hands-on experience with autonomous robots and data integration, preparing students to create systems capable of perception, navigation, and autonomous operation.
- Foster innovation, teamwork, and problem-solving abilities through a Robotics & AI Hackathon, encouraging students to design, prototype, and present real-world solutions.

Target Audience: 6th Semester Mechanical Engineering Students.

Expected Outcomes of the Program

- Explain core concepts of Robotics and Artificial Intelligence, including system architectures and practical applications across various domains.
- Demonstrate hands-on proficiency in integrating sensors, actuators, and control systems to build and operate functional robotic prototypes.
- Apply basic AI techniques to develop smart robotic behaviors, enabling decision-making and adaptive responses in real-time environments.
- Design and implement autonomous robotic systems by integrating data from multiple sources for perception, navigation, and independent operation.
- Showcase innovation and collaborative problem-solving skills by successfully participating in a Robotics & AI Hackathon, presenting practical solutions to real-world challenges.

Committee Members

ADVISORY COMMITTEE

- Dr. C K Marigowda, Principal, AIT

CONVENER

- Dr. Manjunatha B, Head of the Department, Mechanical Engineering, AIT

COORDINATORS

- Prof. Raju M G, Assistant Professor, Dept. of Mechanical Engineering, AIT
- Prof. Prajwal S, Assistant Professor, Dept. of Mechanical Engineering, AIT
- Prof. Praveen BB, Assistant Professor, Dept. of Mechanical Engineering, AIT
- Prof. Divya N C, Assistant Professor, Dept. of Mechanical Engineering, AIT
- Prof. Akshaya Simha, Assistant Professor, Dept. of Mechanical Engineering, AIT

Resource Persons



Mr. Sukumar G

Designation: Co-founder
Robomanthan Pvt Ltd, Bengaluru



Mr. Aadish Shah

Designation: AI & Robotics Trainer
Robomanthan Pvt. Ltd,
Bengaluru



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LOCATE US

Event Coordinator

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