



AKSHAYA – iHUB ROBOTICS

CENTRE OF EXCELLENCE (CoE) IN ROBOTICS AND AI

VISION

To be a globally recognized Centre of Excellence in Robotics and AI, driving innovation, research, and sustainable intelligent automation for societal and industrial transformation.

MISSION

- M1:** To promote interdisciplinary research, innovation, and experiential learning in Robotics and AI.
- M2:** To foster strategic partnerships with industry, academia, and government for technology development and knowledge exchange.
- M3:** To empower learners with industry-relevant skills to develop sustainable intelligent automation solutions for societal and industrial needs.

OBJECTIVES

- ❖ To promote interdisciplinary research and innovation in Robotics, AI, and intelligent automation systems.
- ❖ To provide quality education, training, and skill development through industry-oriented learning.
- ❖ To foster sustainable technological solutions through collaboration, research, and innovation.

OUTCOMES

- ❖ Improved student and professional expertise in Robotics, AI, and automation technologies through hands-on learning and training.
- ❖ Strengthened research, innovation, and interdisciplinary collaboration for developing intelligent engineering solutions.
- ❖ Enabled industry-oriented projects and sustainable technological advancements through collaborative initiatives.

ABOUT CoE

The **Centre of Excellence (CoE) in Robotics and AI** at **Akshaya College of Engineering & Technology**, established in **2025** under the **Department of Mechatronics Engineering**, serves as a hub for cutting-edge research, innovation, education, and collaboration in the dynamic field of Robotics and Artificial Intelligence. Supported by **iHUB Robotics**, the CoE brings together experts from multiple engineering disciplines to advance the state-of-the-art in robotics technology. iHUB Robotics is at the forefront of developing AI-driven robotic solutions that revolutionize industries and empower human potential through innovative technology.

The Centre fosters an environment that encourages interdisciplinary teamwork, innovation, and industry engagement. Through strategic partnerships with academia and industry, it promotes technology transfer and the commercialization of research outcomes. The CoE also offers a range of educational programs for students and professionals while engaging with the wider community to raise awareness and cultivate interest in robotics and automation.

ACTIVITIES

- Collaborate with industries and academic institutions to drive innovation, share resources, and strengthen research and development initiatives.
- Conduct hands-on workshops focused on real-world robotics applications, including robotic system design, AI integration, programming, and automation.
- Offer specialized courses, certification programs, and skill-development initiatives in Robotics and Artificial Intelligence for students and professionals.
- Encourage faculty members and researchers to publish high-quality research in reputed national and international journals, thereby contributing to the advancement of robotics technology.

For More Details Contact:

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HUMANOID ROBOT PLATFORM

