



ROBOTECH

MONTHLY NEWSLETTER

ROBOTICS AND AUTOMATION

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VISION

Progress through quality education and evolve into a center for academic excellence in the field of Robotics and Automation.

MISSION

To provide a supportive academic environment for value-added education and continuous improvement to become the leaders in robotic research and education. To develop socially responsible engineers with technical competence, leadership skills and team spirit.

Enlightenment of Knowledge

PRABODHA '26

PRABODHA '26, a vibrant Project Expo organized by the Innovative Robotics & Automation Association (IRAA), was successfully conducted on 27th March 2026 at the Robotics & Automation Lab. The event served as a dynamic platform for budding engineers to showcase their innovative ideas, cutting-edge technologies, and creative engineering solutions in the field of Robotics and Automation.

The expo witnessed enthusiastic participation from students who presented a wide range of projects, reflecting technical excellence, creativity, and practical problem-solving skills. The competition was judged based on innovation, design, functionality, and real-world applicability.

The event highlighted the immense talent and innovation among students, encouraging them to push boundaries in robotics and automation. PRABODHA '26 stands as a testament to the spirit of engineering excellence and collaborative learning.

Congratulations to all the participants and winners for their outstanding achievements!

WINNERS

First Position

Versa Nova: The Underwater Robot

Team Members:

- Dino Davis
- Adhithya Anilbhat
- Karthik Biju
- Nandhana K D

Second Position

Design and Development of Ornithopter Mechanism

Team Members:

- Sneha Alphonso Francisc
- Nandhana SuniL

Third Position (Shared)

Sree Shankaracharya Facial Robot

Team Members:

- Indrajith V S
- Sonu Namboothiri
- Sruthi Biju
- Surya S R

Autonomous Amphibious Robot

Team Members:

- Swaroop S
- Akshay Raj B

PRABODHA'26

project group along with their guide(2022-2026 RA Batch)



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Hands-on Industrial Automation Session Conducted for Students

An engaging and practical session on Industrial Automation was conducted on 31st March 2026, providing students with valuable exposure to key industry technologies and practices.

The session covered important topics such as an overview of HMI (Human Machine Interface) and SCADA systems, giving students insight into how industrial processes are monitored and controlled in real time. Participants also gained hands-on experience with PLC (Programmable Logic Controller) programming, enhancing their practical understanding of automation systems.

In addition, the session introduced the basics of VFDs (Variable Frequency Drives) and other industrial drives, helping students understand their role in controlling motor speed and improving energy efficiency in industrial applications.

The program was highly interactive and skill-oriented, enabling students to bridge the gap between theoretical knowledge and real-world industrial practices. It proved to be a valuable learning experience for those aspiring to build careers in automation and control systems.



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Goose elevate **SIEMENS**
Channel Partner

Free Workshop

Introduction to Industrial Automation

Venue : Adj Shankara Institute of Engineering and Technology
Dept. : Robotics & Automation

Date : 31 March 2026 | Time : 9:30 AM

Programme Overview

Delivered by experienced industry professionals, offering real-world learning through interactive theory and practical sessions.

What You Will Learn

- Fundamentals of industrial automation
- PLC concepts, applications, and basic operations
- Overview of HMI & SCADA systems
- Hands-on PLC practice
- Basics of VFDs and other drives

Who Should Attend?

3rd & 4th Year students – EEE / E&I / Mechatronics / ECE / Robotics & Automation

Build industry-ready skills and boost your career!

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ACHIVEMENTS

S4 Robotics Students Achieve Big Wins at NEXERA'26

Students Adithyan A. S and Binto P. B from S4 Robotics and Automation showcased outstanding talent by actively participating in multiple robotics competitions and demonstrating excellent technical skills.

Along with their teammates Sukalpo Ghosh and Benjamin, the team secured remarkable victories, including:

- 1st Place in Robo Soccer
- 1st and 2nd Positions in Robo Race
- 1st and 2nd Positions in Line Follower Events

They successfully represented their teams at NEXERA'26 – TRS Robotics Day, hosted by Saintgits College of Engineering on 8th March 2026.

In addition to these achievements, the team also won prizes at NAKSHATHRA, the techno-cultural fest conducted at the same institution, further highlighting their versatility and excellence.

These accomplishments reflect the students' dedication, teamwork, and strong foundation in robotics and automation.

Congratulations to the team for their outstanding success!





S4 STUDENT SHINES IN LINE TRACER COMPETITION

Binto P B, a student of S4 Robotics and Automation, secured third position with a cash prize in the exciting Line Tracer Competition held at KMEA Engineering College on 28th March 2026.

Competing against skilled participants, Binto's robot demonstrated excellent speed, precision, and control, successfully navigating the track with high accuracy. His achievement reflects strong technical skills and dedication in the field of robotics.

Congratulations to Binto P B for this outstanding accomplishment!

MARCH 2026

MANIPAL INSTITUTE OF TECHNOLOGY



Robotics & Automation Students Participate in National Convention i-ACT 2026

A group of 26 students from the Robotics and Automation department, accompanied by Prof. Ravi Balakrishnan and Dr. Athira M, actively participated in i-ACT 2026, a national-level flagship student convention organized by the ISA Bangalore Section.

The event was jointly hosted by the School of Mechanical Engineering, MIT MAHE Manipal, in association with the ISA MIT Student Chapter, on 16th and 17th March 2026.

i-ACT 2026 aimed to promote learning, innovation, automation, and professional networking, providing participants with valuable exposure to emerging technologies and industry practices. The students benefited from technical sessions, interactive discussions, and networking opportunities with experts and peers. Their participation reflects the department's commitment to academic excellence and continuous learning beyond the classroom.

Gokul R Kartha secured First Prize in the Spot Ideathon, while Sivaneey S won Second Prize in the PLC-Based Automation Challenge held at the same event.





Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



International Society of Automation
Adi Shankara Institute of Engineering and
Technology Student Section



Dept. of Robotics and Automation

Congratulations

Gokul R Kartha



Sivaney S



Hearty congratulations to Gokul R Kartha for securing First Prize in the Spot Ideathon at i-ACT '26, and to Sivaney S for securing Second Prize in the PLC Based Automation Challenge at the same event, bringing pride and recognition to the Robotics and Automation Department of ASIET.



S3 BTECH KTU RESULT RA (2024-28)

Congratulations!



9.6

Agnes Thomas



9.32

Namitha
Nandakumar



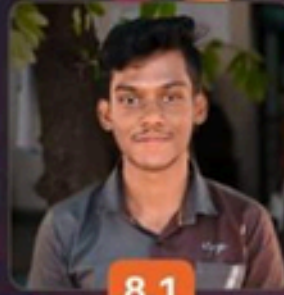
8.46

Sukalpo Ghosh



8.12

Binto P B



8.1

Rijo Tom Varghese



8.02

Sivaney S



7.88

Arsha Ponnu NK



7.86

Dencil Sebastian



7.8

Gautham
krishna A M



7.68

Anirudh Gugnu



7.66

Fathima Ismail



7.52

Aina k s



7.52

Rohini Santhosh



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INSTITUTE OF ENGINEERING AND TECHNOLOGY



Dept. of Robotics and Automation

Alumni Connect

Journey through Robotics and Aviation



Adarsh S
Sales Associate
Golden Falcon Aviation



**Maheshwar M
Menon**
Robotics Engineer
Srishti Robotics

Alumni Connect Inspires Future

The Robotics and Automation Department successfully organized an Alumni Interaction Program on 9th Marh 2026, as part of its Alumni Connect initiative, aimed at motivating and guiding students through real-world experiences shared by alumni.

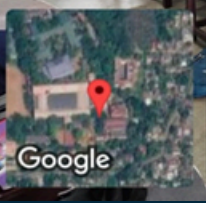
The session provided valuable insights into career journeys in robotics and aviation, helping students understand industry trends, opportunities, and the skills required for professional growth. Alumni shared their personal experiences, challenges, and achievements, making the interaction both engaging and inspiring.

This initiative created a meaningful platform for students to connect with alumni, gain practical knowledge, and explore diverse career pathways beyond academics.

The session proved to be an enriching experience, encouraging students to aim higher in their professional journeys.



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INDUSTRIAL VISIT



S8 Robotics Students Gain Real-World Exposure Through Industrial Visit

The S8 Robotics and Automation students undertook an enriching Industrial Visit (IV) from March 5 to March 10, 2026, aimed at enhancing practical knowledge and industry awareness.

A key highlight of the visit was the tour to Mangalore Refinery and Petrochemicals Limited, where students gained first-hand insight into large-scale industrial operations and engineering applications. The visit helped bridge the gap between theoretical concepts and real-world practices, offering a deeper understanding of automation and process industries.

In addition to the industrial exposure, the trip also included travel, cultural exploration, and environmental observation, making it a well-rounded learning experience.

The industrial visit proved to be highly beneficial, equipping students with practical knowledge and a broader perspective on engineering in real-world scenarios.



PLACED
ASWIN K R

Designation

Automation Engineer

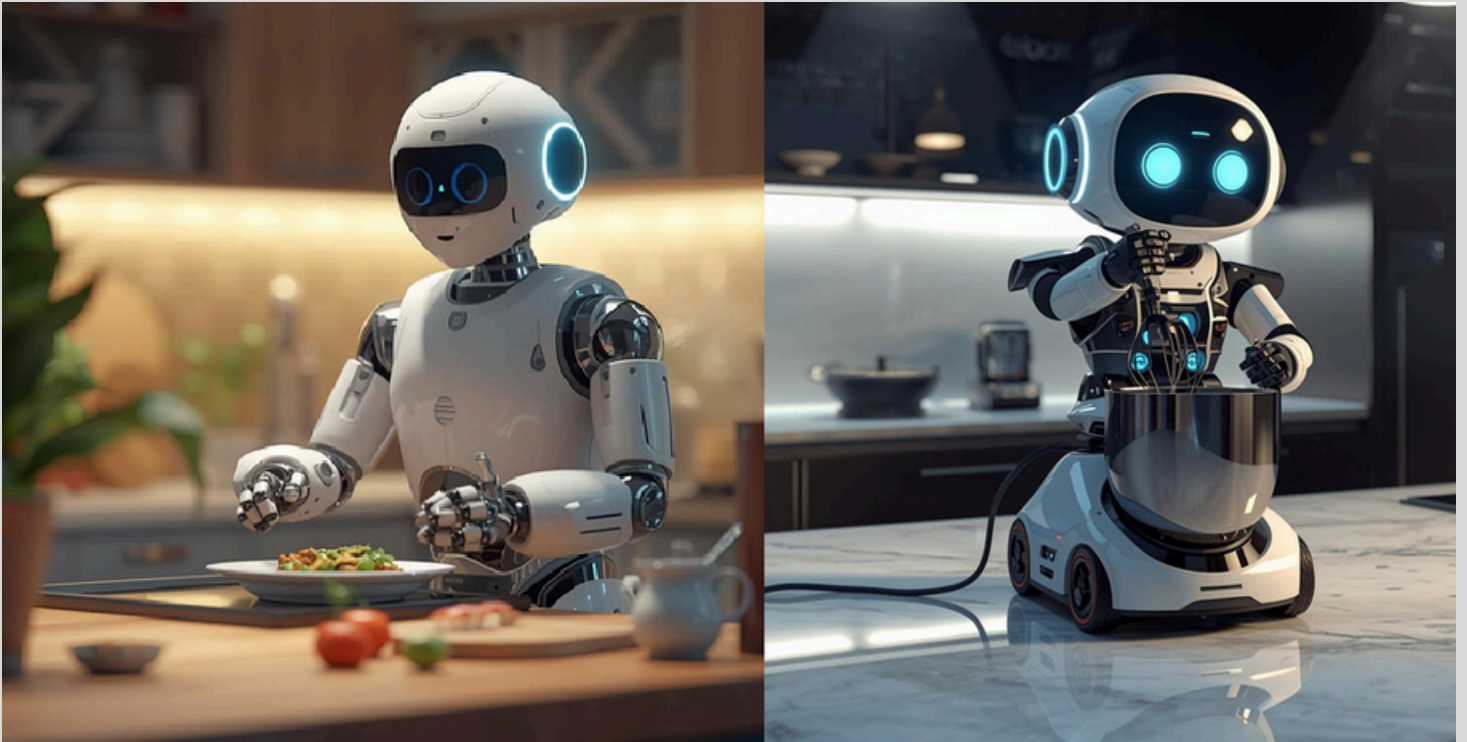
Course: Certified Industrial Automation Engineer

College: ASIET, Kalady

Company Placed: Protocol Automation

Qualification: B. Tech Robotics & Automation

AI-POWERED ROBOT KITCHEN



In February 2026, an AI-powered robot kitchen system gained global recognition after winning the Robotics Award 2026. This innovation represents a major shift in how robotics is being applied outside traditional manufacturing industries. Designed to prepare thousands of meals per day, the system demonstrates how artificial intelligence and robotic automation can transform large-scale food production.

The robot kitchen integrates multiple robotic arms, automated ingredient dispensers, and AI-based control systems. Using advanced programming and sensor feedback, the system can measure ingredients, cook meals, and plate dishes with high precision. Key technologies in a robot kitchen include computer vision for ingredient identification, AI-based process optimization, robotic arm manipulation, temperature and timing automation, and real-time monitoring systems, and this integration enables the system to function with minimal human supervision.

Artificial intelligence plays a crucial role in optimizing performance. The system analyzes cooking time, ingredient quantities, and order demand in real time. Machine learning algorithms help the robot improve efficiency by learning from previous operations. Unlike traditional automation, which follows fixed programming, this AI-enabled system adapts dynamically to workload variations and operational changes.

A robot kitchen offers several advantages, including high consistency in taste and portion size, reduced human error, improved hygiene and food safety, the ability to operate continuously 24/7, and lower long-term operational costs. This makes it particularly suitable for large institutions, catering services, and industrial food production facilities.

The success of the robot kitchen highlights a significant trend in 2026—robotics is expanding into service-based industries. Service robotics is becoming more intelligent, reliable, and commercially viable. This innovation signals that future robotic systems will not only assist in factories but also play active roles in hospitality, healthcare, logistics, and public infrastructure.

As AI and robotics technologies continue to evolve, service robots like automated kitchens may become common in smart cities. Integration with IoT systems and cloud-based monitoring could further enhance performance and scalability.

The February 2026 breakthrough clearly shows that robotics is entering a new era – one where automation directly interacts with daily human life.

“Admissions Open 2026 – Step into the Future with Robotics & Automation!”



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B.Tech in

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ADMISSIONS OPEN 2026-27

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admissions.adishankara.ac.in

STAFF EDITORS

Dr. Vinila M L (HOD)

Dr. Julia.T.J

STUDENT EDITORS

Gimna Gimmy

Sukalpo Ghosh