



ROBOTTECH

MONTHLY NEWSLETTER

ROBOTICS AND AUTOMATION



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FDP ON OUTCOME BASED
EDUCATION &
ACCREDITATION - GAPC V4.0



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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.



FIVE-DAY FACULTY DEVELOPMENT PROGRAMME ON OUTCOME- BASED EDUCATION & ACCREDITATION – GAPC V4.0

Adi Shankara Institute of Engineering and Technology (ASIET), Kalady, in association with NITTTR Chennai Extension Centre, Kochi, and in collaboration with IQAC and FPEC, organized a Five-Day Faculty Development Programme (FDP) on 11-15 May 2026. Dr. Sreedeeep Krishnan (Head of the Department), Dr. Athira M, Ms. Safeena M K, Ms. Anju Mary Joseph, and Mr. Dileep K participated in the Faculty Development Programme (FDP) on Outcome-Based Education (OBE).

The programme featured expert sessions by Dr. E. S. M. Suresh, Dr. G. Janardhanan, and Dr. V. Shanmuganeethi from NITTTR. The sessions focused on Outcome-Based Education, accreditation requirements, outcome mapping, attainment analysis, and quality improvement practices. The FDP provided valuable insights and practical knowledge to faculty members, strengthening their understanding of OBE implementation and accreditation processes in higher education.



FACULTY ACHIEVEMENTS

FACULTY DEMO DAY & TECH CAFÉ 2026

Dr. Jeeshma Mary Paul, Assistant Professor, Department of Robotics and Automation, ASIET, participated in the Faculty Demo Day & Tech Café organised in connection with World Technology Day, jointly by K-DISC and KTU on 11 May 2026 at Centre for Management Development, CV Raman Pillai Road, Thycaud, Thiruvananthapuram .

She was shortlisted to present her patented innovation at the event. The programme was exclusively organised for faculty members who had submitted patent details, providing a platform to showcase innovations and interact with industry and government stakeholders.



The event served as a follow-up to the statewide faculty patent data collection initiative aimed at identifying innovations with strong potential for market translation and industry application.

FACULTY ACHIEVEMENTS

DR. SREEDEEP KRISHNAN GRACES SMEC CONVOCATION CEREMONY AS CHIEF GUEST

The SMEC Institute of Management, in association with CareerX360, successfully organized its Convocation Ceremony on 24 May 2026. The event celebrated the academic achievements of graduating students and marked an important milestone in their professional journey.

The ceremony was graced by Dr. SreedEEP Krishnan, Associate Professor and Head of the Department of Robotics & Automation at Adi Shankara Institute of Engineering and Technology, Kalady, who attended as the Chief Guest. In his inspiring address, Dr. Krishnan emphasized the importance of continuous learning, innovation, adaptability, and ethical leadership in today's rapidly evolving professional landscape. He encouraged graduates to embrace challenges with confidence and contribute meaningfully to society through their knowledge and skills.

The event witnessed the presence of management representatives, faculty members, students, parents, and distinguished guests. Graduates were formally awarded their certificates in recognition of their dedication, hard work, and academic excellence. Your paragraph text



STUDENT ACHIEVEMENTS



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INSTITUTE OF ENGINEERING AND TECHNOLOGY



DEPARTMENT OF ROBOTICS & AUTOMATION

*Congratulations
on your achievement*



Adithya Anil Bhat

AI/ML Intern
Elevate Labs



Adithya Nikhil

Research & Development Intern
Nanograf Private Limited



Sonu S N

AI and Robotics Software Intern
Grafito Innovations



Yaswanth Krishna

Robotics & Automation Intern
Stepz Robotics



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*Congratulations
on your achievement*



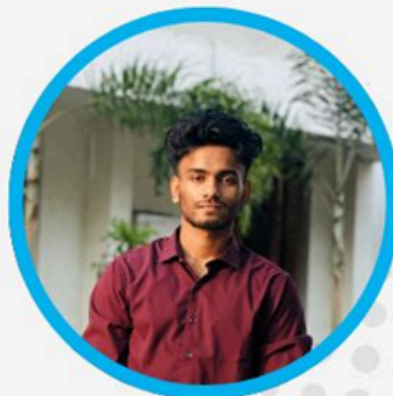
Akshay Raj B

Jr Automation Engineer
GI India Automation & Systems
Pvt Ltd



Pavan P Biju

Robotics Intern
STEM Robotics



Jithin Jose J

Intern
SHOBOT PROJECT, IIT Madras



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Systems Engineer
Tata Consultancy Services



Sneha Alphonso Francis
Control Systems Engineer
Genrobotic Innovations Pvt Ltd



Aaljin Antony K J
Asimov Robotics
ZOHO Corporation



SubhaSankar
Robotics Teacher
OPEN HOUSE



Swaroop S
Trainee Engineer
Sunlux Technovations



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Abhisree Sreekanth

Robotics & Automation Intern
Stepz Robotics



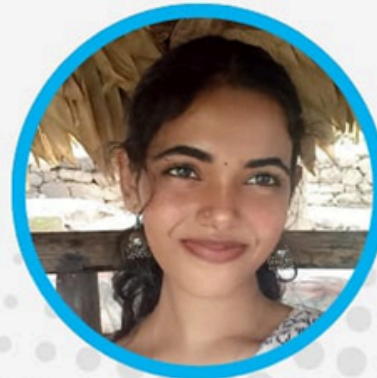
Keerthi Krishna H

Project Intern
DRDO CAIR



Lakshmipriya K A

Robotics and Automation Intern
Stepz Robotics



Nandana Sunil

CAD Design Intern
Lab of Future



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ON YOUR PLACEMENT



ANEESH K



DEEKSHA



SRUTHI BIJU



TATA
CONSULTANCY
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KTU S8 BTECH RESULTS MAY 2026 TOPPERS
DEPARTMENT OF ROBOTICS AND AUTOMATION



SNEHA ALPHONSO FRANCIS
9.82



SRUTHI BIJU 9.82



KEERTHI KRISHNA H 9.56



SWAROOP S 9.38



HANDANA SUNIL 9.21



DINO DAVIS 9.03



LAKSHMIPRIYA K A 8.91



DEVU M D 8.91



SUBHA SANKAR ANDALURI
8.79



YASWANTH KRISHNA M 8.74



MERWIN THOMAS 8.71



JITHIN JOSE J 8.68



ADITHYA B 8.62



JEFFIN JOHN JOY 8.53



CHAITHNYA U 8.47



AKSHAY RAJ B 8.44

CONGRATULATIONS!





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KTU S8 BTECH RESULTS MAY 2026 TOPPERS
DEPARTMENT OF ROBOTICS AND AUTOMATION



ALDRIN GEORGE 8.35



ASHIQUE O S 8.35



NANDANA K D 8.35



ADITYA NIKHIL 8.29



AALJIN ANTONY K J 8.24



PAVAN P BIJU 8.21



ABHISREE SREEKANTH 8.21



SNEHA C 8.09



ADITHYA ANIL BHAT 8.06



ABHIJIT ANIL 8

CONGRATULATIONS!





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DEPARTMENT OF ROBOTICS & AUTOMATION
BATCH 2023 - 2027

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ON YOUR ACHIEVEMENT



Adhil K Salim



Abhijit A



Adharsh V S



Adwaith Krishna



Akhil Babu



Akshay R



Akshitha Francis



Anjana K B



Devika Sabu



Fahim Nihan



Fathima Sana



Goutahm C Kiran



Meghana Reji



Rohin Francis



Yedhukrishna

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Batch 2023-2027

Congratulations!

ON YOUR ACHIEVEMENT!



Ashwin P Shine

Automation Intern,
NeSt Electronics



Deepak M R

Mechanical Engineering
Intern, IIT Palakkad





ROBOTICS AND AUTOMATION

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SONY AI

ACE: THE ROBOT THAT'S REWRITING THE RULES OF PHYSICAL AI

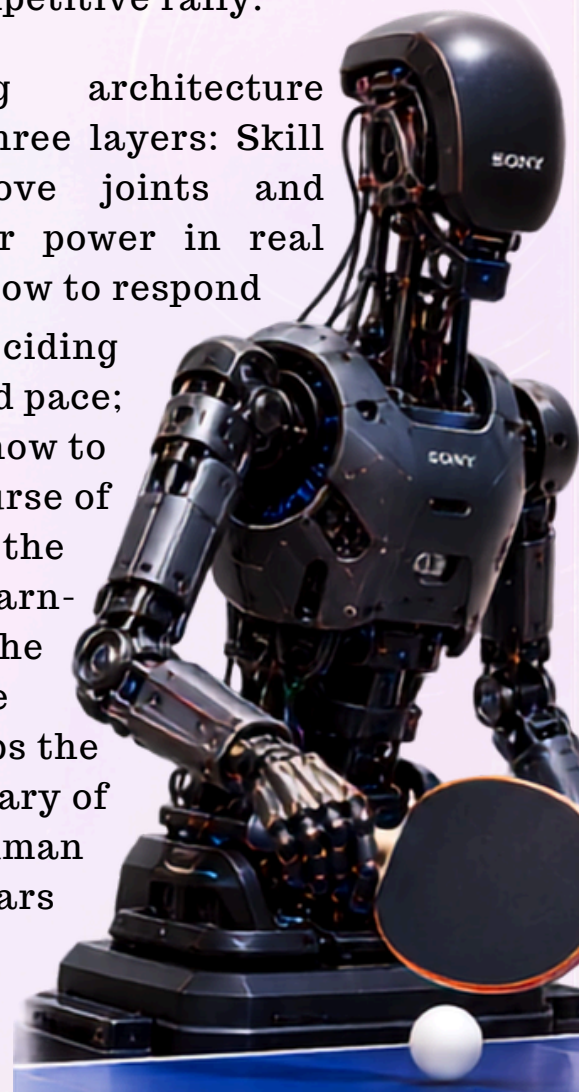
THE FIRST ROBOT TO OUTPLAY, ELITE HUMAN ATHLETES

A ping-pong ball travels from paddle to table and back in roughly 200 milliseconds. A professional player has trained for years to read spin, predict bounce angle, and position a return — all in less time than it takes to blink. In March 2026, a robot called Ace did exactly that. And then beat three professionals in head-to-head matches

Table tennis is a nightmare for robotics, for reasons that aren't immediately obvious. The real challenge is not speed — it's uncertainty stacked on uncertainty. The ball arrives with hidden spin that warps its trajectory after the bounce. The opponent's shot placement changes every rally. And every return must be executed in real time, with no room for the kind of deliberate calculation that works fine in software-only AI.

The sensing system uses event-based vision cameras — a technology borrowed from neuroscience. Unlike conventional cameras that capture full frames at fixed intervals, event cameras fire individual pixel signals the moment light intensity changes. The result: near-instantaneous detection of a moving ball, even under the brutal time pressure of a competitive rally.

Ace's learning architecture unfolds across three layers: Skill — how to move joints and generate spin or power in real time; Tactics — how to respond within a rally, deciding on placement and pace; and Strategy — how to plan over the course of a match. Most of the reinforcement learning muscle is in the skill layer, where the robot develops the physical vocabulary of strokes that a human player spends years ingraining



Project Ace is worth watching not for the sport but for what it proves. When a robot can step onto a table tennis court, face a professional athlete, and win a set — perceiving, deciding, and acting faster than any human could — the engineering barriers to physical AI in the real world have become much, much smaller.



PRECISION
BEYOND HUMAN
REFLEXES



AI THAT
LEARNS, ADAPTS
& IMPROVES



MILLISECONDS
THAT MAKE THE
DIFFERENCE

BUILT FOR
COMPETITION.
DESIGNED FOR
THE FUTURE.



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FUTURE

- FUTURE-READY ROBOTICS EDUCATION
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- EXCELLENCE IN AUTOMATION
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→ FOR MORE DETAILS

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