

GLIMPSE

*Newsletter of Electronics and Communication Engineering Department,
Christ College of Engineering, Irinjalakuda*



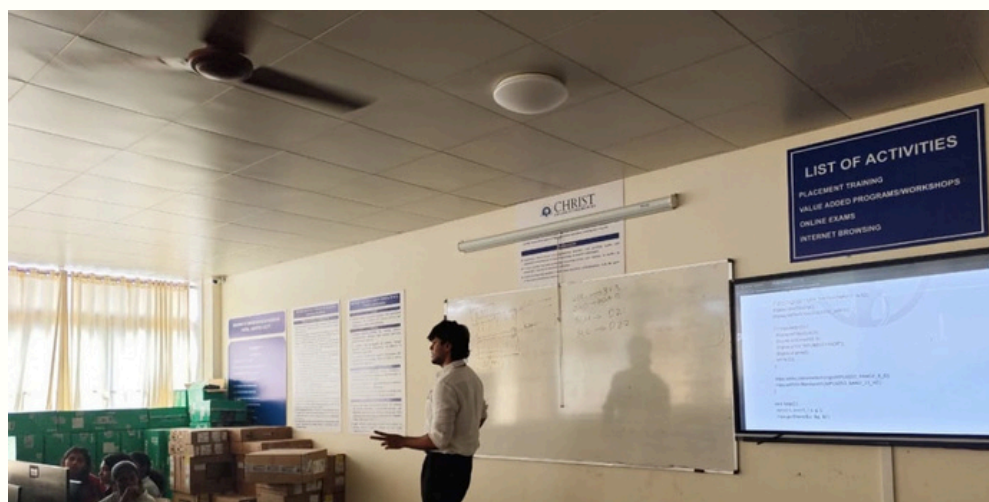
TECHLETICS 2026



ELECTRONICS AND COMMUNICATION ENGINEERING

- Circuit Debugging Competition
- Invited Talk
- Smartwatch Workshop
- PCB Design Contest
- ISRO Expo
- Circuit Debugging
- RoboSoccer
- National Level VLSI Competition – Hardware Hackathon (Flagship)
- RC Car Show
- Projection Mapping
- Skating Show
- Neon Football
- Kinetic art – working model
- Project Expo

TECHLETICS 2026 - EVENTS



The Electronics and Communication Engineering Department organized a variety of technical and recreational events, including a Circuit Debugging Competition, Invited Talk, Smartwatch Workshop, PCB Design Contest, ISRO Expo, Circuit Debugging, RoboSoccer, National Level VLSI Competition – Hardware Hackathon (Flagship), RC Car Show, Projection Mapping, Skating Show, Neon Football, Kinetic Art – Working Model, and Project Expo.

SMART WATCH WORKSHOP



The Smart Watch Workshop was organised by Christ College of Engineering, Irinjalakuda, through ECE, ECTA, and ISTE in association with Techletics'25. The workshop was conducted for undergraduate students on 30 January 2026 at the CCF Lab, Chavara Block. The resource persons were Muhammad Yazen and Jezil Mario P S, Embedded Systems Engineers at Evolve Robotics, Kochi. The workshop aimed to introduce students to the design, functionality, and real-world applications of wearable technology, providing them with practical knowledge about smart watch development and embedded systems.

VLSI Competition-Hardware Hackathon



CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(NBA ACCREDITED)
IN ASSOCIATION WITH

CAS MAVEN SILICON CCE IEEE ECTA

presents

CHIPTHINK

24 HOURS NATIONAL LEVEL VLSI HACKATHON

PHASE 0 : Abstract Submission

LEVEL 01

Quiz /
Presentation
(Online Mode)



Scan me!

LEVEL 02

Seek Solution
in 24hrs
(Offline Mode)

REGISTRATION Fee: ₹400

FEB 3 & 4

Prize Pool : 15K + Virtual internship by Maven Silicon worth 1Lakh per team

REGISTRATION CLOSES ON 25th JANUARY

FACULTY CO-ORDINATORS
Dr. KRISHNAPRIYA S
Mr. TONY C THOMAS

STUDENT CO-ORDINATORS
PAVANA P PAUL
ANGELO PERINCHERY

TECHLETICS 4.0

Contact for Admissions: B.Tech, M.Tech -9497707439; MBA - 8137049355

The Chipthink Hackathon was organized in collaboration with Maven Silicon to provide a competitive and collaborative platform for students to apply their knowledge of digital design, RTL coding, and embedded system concepts. The event focused on enhancing practical understanding through problem-solving, innovation, and hands-on implementation using hardware description languages and simulation-based design approaches.

Neon Football

CHRIST COLLEGE OF ENGINEERING, IRINJALAKUDA
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING
NBA ACCREDITED

PRISMA '24
presents

3's
NEON
FOOTBALL

REG FEE: ₹150/- PRIZE POOL: ₹4000/-

Venue: SEMINAR HALL, ST. CHAVARA BLOCK
09-10-2024

Faculty Coordinators:
Ms. MANJU L KOLLANUR
Ms. ANITTA ANTONY

Student Coordinators:
JOHNSTEIN JENSON: 8590185619
ROMAL JACKSON: 9400602539

The NEON FOOTBALL event, held on October 9 and 10, 2024, was a vibrant and exciting tournament featuring 36 teams. In the lead-up to the event, a comprehensive fixture was formulated to ensure smooth gameplay and fair competition. Over the two days, teams showcased their skills under the glow of neon lights, creating an electrifying atmosphere that captivated players and spectators alike. Matches were conducted efficiently, with teams competing fiercely for victory while embodying sportsmanship and camaraderie. The event not only highlighted the talent of the participants but also fostered a sense of community and enthusiasm for the sport.

EVENT



Electronics Circuit Troubleshooting Programme

The Electronics Circuit Troubleshooting Programme was organized by Christ College of Engineering, Irinjalakuda, through the Department of Electronics and Communication Engineering and ECTA, in association with Techletics 4.0. The programme was conducted for undergraduate students on 4 February 2026 at the Circuits Lab and DSP Lab. The programme aimed to enhance participants' practical understanding of electronic circuits by engaging them in identifying, analysing, and rectifying faults in given hardware and simulated circuits. Through this hands-on activity, students gained practical experience in circuit troubleshooting and developed their problem-solving and analytical skills.

EVENT

ILLUME



The event ILLUME – Projection Mapping Experience is categorized as a Technical Event as it is fundamentally rooted in the application of core engineering principles, domain-specific knowledge of Electronics and Communication Engineering, and technology-driven problem-solving approaches. The planning and execution of the event require a thorough understanding of optics, digital image processing, signal processing, display technologies, and multimedia communication systems. Students actively engage in tasks such as projector selection, resolution and brightness calculations, geometric correction, surface mapping, and synchronization of audio-visual signals, all of which involve applied engineering concepts.

EVENT



CHRIST
COLLEGE OF ENGINEERING

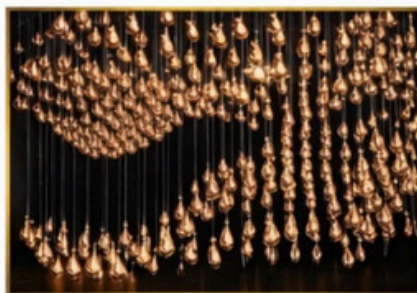
Irinjalakuda

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TECHLETICS 4.0

KINETIC ART WORKING MODELS

(Kinetic Rain & Kinetic Servo-Driven Digital Clock)



Kinetic Rain
Dynamic 3D Motion
Installation



Servo-Driven
Mechanical Digital
Clock

February 4 & 5, 2026

**CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS),
IRINJALAKUDA**

The Kinetic Art Working Model Programme was organized by the Department of Electronics and Communication Engineering, Christ College of Engineering, Irinjalakuda, in association with Techletics 4.0. The programme was conducted for all students on 4 and 5 February 2026 at the St. Mary's Administrative Block. The faculty coordinators were Ms. Catherine J. Nereveetil and Ms. Della Reasa Veliaveetil, while the student coordinators were Adwaith and Mark Stephen from S4 ECE and Abraham Joseph from S6 ECE. The main objective of the programme was to enable students to design and develop a working kinetic art model, encouraging creativity, practical skills, and technical understanding through hands-on activities.

EVENT

Route X



The poster for the Route X PCB Designing Competition features a dark, atmospheric background with glowing circuit traces and a central glowing 'X' logo. The text is arranged in a structured layout, starting with the Christ College of Engineering header, followed by the association with Neo Green Labs, and the main event title 'Route X PCB Designing Competition'. Key details like the date, location, fee, and prize pool are prominently displayed in the lower half, along with contact information for coordinators and admissions.

CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(NBA ACCREDITED)

IN ASSOCIATION WITH

Neo Green Labs
Refining Innovations

PRESENTS

RouteX
PCB Designing Competition

5th FEBRUARY

PROJECT LAB

REG FEE - ₹ 200/-

Prize Pool - 10k

FACULTY CO-ORDINATOR
SWATHY P M - 83300 39053

STUDENT CO-ORDINATORS
DARISS FRANKLIN - 70129 60185
TESNA MARIA V S - 77369 21074

Contact for Admissions: B.Tech, M.Tech - 9497707439; MBA - 8137049355

The PCB Designing Using KiCad Workshop was organized by Christ College of Engineering, Irinjalakuda, for undergraduate and postgraduate students from Electronics, Electrical, and related engineering disciplines. The workshop was conducted on 5 February 2026 at the Project Lab, Christ College of Engineering, Irinjalakuda. Ms. Swathy P. M. from the Department of Electronics and Communication Engineering served as the event coordinator. The objective of the workshop was to provide students with hands-on experience in PCB designing using KiCad and enhance their practical skills in schematic interpretation, component placement, routing, and design rule verification under time constraints. The workshop helped participants gain practical exposure to PCB design and improve their technical problem-solving abilities.

EVENT

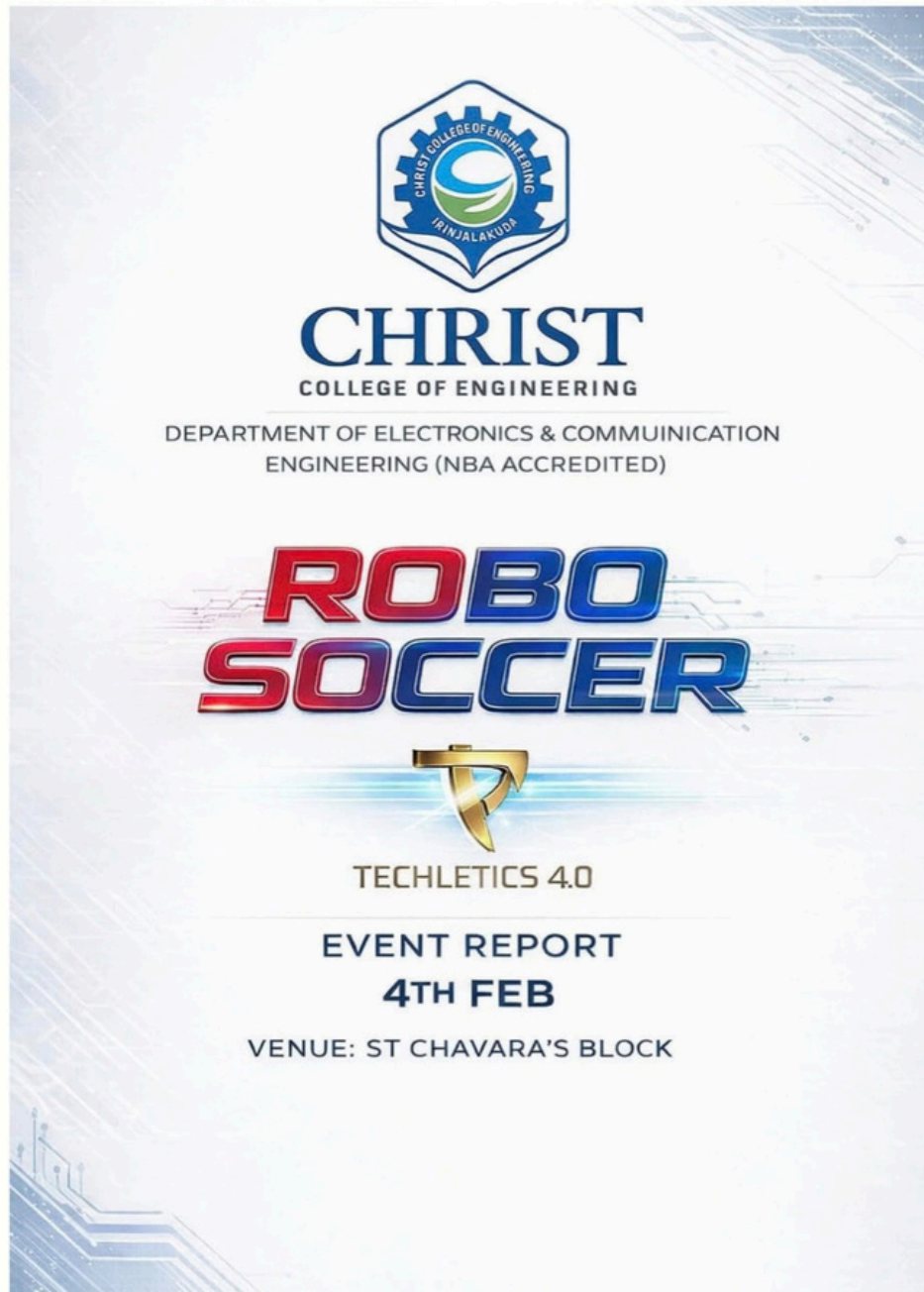
RC CAR SHOW



The RC Car and Robotics Workshop was organized by the Department of Electronics and Communication Engineering in association with Techletics'25 at Christ College of Engineering, Irinjalakuda. The event was conducted on 4 February 2026 at the ground near the St. Mary's Block. Manish served as the resource person. The workshop was intended for all students and technology enthusiasts interested in RC cars and robotics. It provided participants with an opportunity to gain practical knowledge of RC car systems, robotics, and related technologies while enhancing their technical skills and interest in hands-on engineering projects.

EVENT

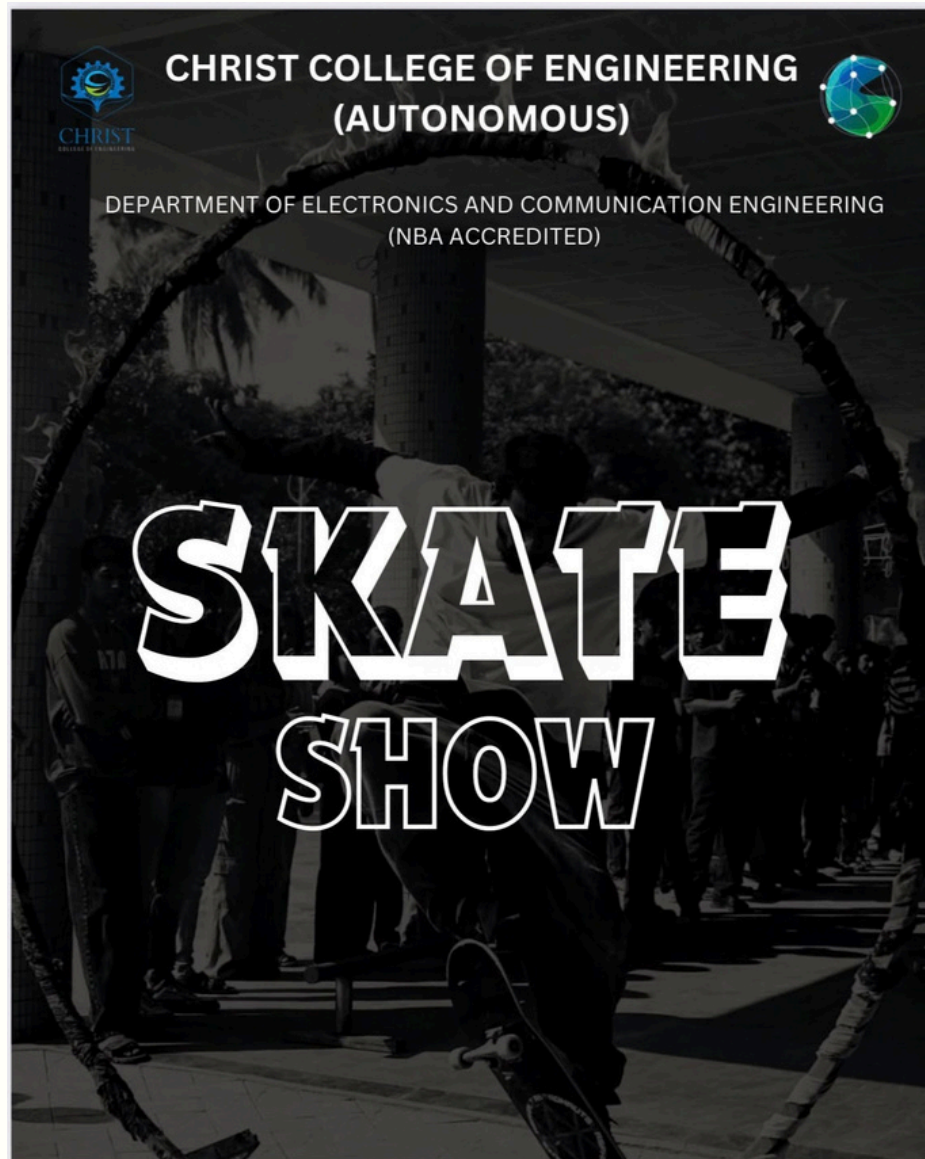
ROBO SOCCER



The Robotics Competition was organized by Christ College of Engineering (Autonomous), Irinjalakuda, through the Department of Electronics and Communication Engineering in association with Techletics 4.0. The event was conducted on 4 February 2026 at St. Chavara's Block for students from various colleges. Mr. Abhilash O. S., Assistant Professor at Christ College of Engineering, served as the resource person. The main objective of the event was to develop hands-on robotics knowledge and problem-solving skills among participants through a team-based competition, encouraging teamwork, creativity, and practical technical skills.

EVENT

SKATE SHOW



The Skate Show was organized by Christ College of Engineering (Autonomous), Irinjalakuda, through the Department of Electronics and Communication Engineering and ECTA Association as part of Techletics 4.0. The event was conducted on 5 February 2026 in front of Chavara Block and was open to students from all colleges. The objective of the event was to conduct an exciting skate show that encouraged student participation, creativity, and interaction among students from different colleges. The programme provided an engaging platform for students to showcase their skating skills and enjoy a lively inter-college event.

EVENT

LED BULB ASSEMBLING
WORKSHOP

The LED Assembly Training Programme was organized by the Department of Electronics and Communication Engineering, Christ College of Engineering, Irinjalakuda, in association with Irinjalakuda Municipality. The programme was conducted for local community members, including Kudumbashree CDS 1 & 2 members and NULM beneficiaries, along with S4 ECE students, on 4 March 2026 from 10:00 AM to 3:00 PM at the Town Hall, Irinjalakuda. The faculty coordinators were Ms. Swathy P.M. and Ms. Listy V.V., with Ms. Ardra Maria and Mr. Adithiya Jayan serving as student coordinators. The programme aimed to bridge the gap between academic technical knowledge and community empowerment by providing hands-on training in LED assembly and fostering self-employment opportunities.

TALK SESSION

Industrial Visit to Indian Institute of Science, Bengaluru



As part of academic exposure, students visited the prestigious Indian Institute of Science (IISc), Bengaluru, one of India's premier institutions known for its advanced research in science, engineering, and technology. The visit provided students to have a world class experience on high end research and labs.

Highlights of the Visit:

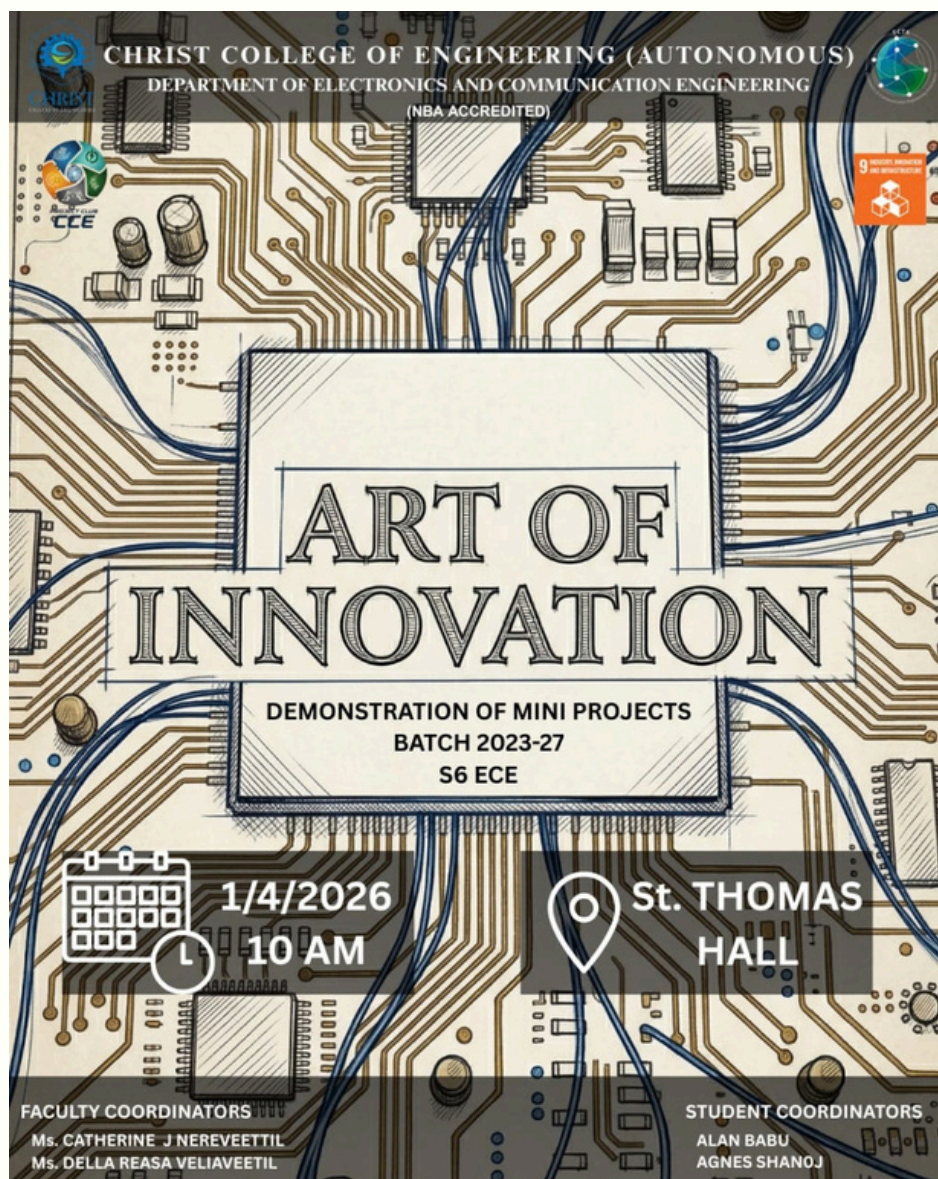
- Visited Centre for Nano Science and Engineering (CeNSE).
- Supercomputer Education and Research Centre (SERC).
- Centre for Neuroscience (CNS)
- Department of Materials Engineering, IISc Labs.
- Robert Bosch Centre for Cyber Physical Systems.
- Aerospace Engineering Department, IISc Labs.

We'd like to extend our gratitude to John achan, Milner achan, Jojo achan, Sijo sir, John sir, Manoj sir & Caren miss for facilitating this enriching experience.

Faculty coordinators for the visit- Tony sir & Anitta miss

EVENT

ART OF INNOVATION



The event was organized by the Department of Electronics and Communication Engineering, Christ College of Engineering, Irinjalakuda, for S6 ECE students of the 2023–2027 batch. It was held on 1 April 2026 at St. Thomas Hall (Open Auditorium). The resource persons were Dr. Bindhu K. Rajan, Associate Professor, Department of ECE, Jyothi Engineering College, and Dr. Vinoj P. G., Professor, Department of ECE, Christ College of Engineering. The main objective of the event was to provide students with a platform to showcase innovative ideas and practical solutions while developing their technical, communication, teamwork, and problem-solving skills through project-based learning.

EVENT

When Firmware Meets A I

CHRIST COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
NBA ACCREDITED

9 IETE STUDENTS FORUM AND INNOVATION
SDG

INDUSTRY INTERACTION SESSION

IVAN KAVUNGAL
Founder .NXT Solutions

**FPGA AND EMBEDDED SYSTEMS:
A COMPREHENSIVE DESIGN STRATEGY
FOR HW/SW CO-DESIGN**

13/03/2026
 3:30 PM to 4:30 PM
 CONFERENCE HALL

FACULTY COORDINATORS
Ms. SREELEKHA T
Mr. TONY C THOMAS

STUDENT COORDINATORS
JASMINE BABY
AUSTIN ANTONY IGNATIUS

The Department of Electronics and Communication Engineering at Christ College of Engineering, Irinjalakuda, in collaboration with the IETE Students Forum, organized a technical session for S6 and S8 ECE students on 13 March 2026 at the Conference Hall. The session was handled by Ivan Kavungal, Founder of NXT Solutions, with Tony C Thomas and Sreelekha T as coordinators. The objective of the session was to provide students with industry-oriented knowledge of FPGA and Embedded System design, including hardware/software co-design, design optimization, and real-world implementation practices.

ACHIEVEMENT



🎉 Proud Moment for Dept of ECE! 🎉

We are delighted to share that our S8 ECE team of Amlyn T Jose, Migna Miju, Dariss Franklin, Telma Varghese guided by faculties Ms. Anitta Antony & Ms. Swathy P M emerged as Finalists in IGNITE 2025 – Innovation & Entrepreneurship Competition! 🚀 ✨

The team has been awarded the Participation Certificate in recognition of their innovative project Med- SOS done in collaboration with Amala Institute of Medical Science. 🙌

Congratulations to the entire team! 🎊

VISION

To be a premier center of education, research, and innovation in Electronics and Communication Engineering that nurtures adept engineers responsive to global challenges and societal needs.

MISSION

- To enhance the teaching-learning process by implementing state-of-the-art practices suitable for a challenging technological world.
- To promote innovative research in emerging areas for the advancement of knowledge towards developing sustainable solutions for the society.
- To foster ethics, values and an urge for continuous improvement vital for professionals to emerge as responsible leaders.

PSO

- Apply in-depth knowledge in Signal Processing, Microelectronics and VLSI, Embedded Systems and Communication Systems to analyze, design, and implement energy-efficient and environmentally sustainable solutions for real-world engineering problems
- Demonstrate professional competence by applying engineering principles and modern tools to succeed in industry, entrepreneurship, and higher education in Electronics and Communication Engineering and allied domains.
- Foster innovative research in emerging domains such as Artificial Intelligence, Health Care, and Nanoelectronics, leading to technological advancements beneficial for society by upholding ethical standards.



EDITORIAL TEAM

STAFF EDITORS

Ms. Anitta Antony

STUDENT EDITORS

Adarsh Pramod (Batch 2025-29)

Shefin Shoby (Batch 2025-29)

Aloysious Jaison (Batch 2025-29)