

ECE NEWS

VOLUME 19 ISSUE 2

Department of
Electronics and Communication Engineering



Jyothi
Engineering College
(AUTONOMOUS)

Reaccredited with NAAC (Grade A) and
NBA Programmes (CE, CS, EC, EE, ME, MR)
Jyothi Hills, P. O. Vettikkattiri, Cheruthuruthy
Thrissur, Kerala, India, 679531
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Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University
A Centre of Excellence in Science and Technology by the Catholic Archdiocese of Trichur

Vision

Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.

Mission

1. To impart comprehensive knowledge and practical skills in the field of Electronics and Communication Engineering.
2. To provide an environment that nurtures a culture of innovation and entrepreneurship, to develop solutions to real-world challenges and explore opportunities for technology commercialization.
3. To foster socially responsible engineers and ethical leaders who drive positive change through innovative technology and a commitment to the betterment of society.

Programme Educational Objectives (PEO s)

PEO 1: Graduates shall have fundamental and advanced knowledge in electronics and communication engineering along with knowledge in mathematics, science and computing and get employed in national or international organizations or government agencies.

PEO 2: Graduates shall have ability in analyzing, designing and creating innovative solutions which lead to a lifelong learning process or higher qualification, making them experts in their profession thus helping to solve electronics & communication engineering and social problems.

PEO 3: Graduates shall have good organizing capability, presentation skills, communicating ability, leadership, team work and ethical practices.

Programme Specific Outcomes (PSO s)

PSO 1: Apply theoretical knowledge and practical skills in the field of Electronics and Communication Engineering to analyze, design, and implement electronic systems, communication networks, and signal processing solutions effectively.

PSO 2: To cultivate a culture of innovation and entrepreneurship among students, enabling them to identify and address real-world challenges in electronics and communication.

PSO 3: To instill a sense of social responsibility and ethical awareness in students by preparing them to use their technical expertise for the betterment of society and the environment

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Message from the Head of the Department

Dear Faculty, Students, and Readers,

It gives me immense pleasure to welcome you to the latest edition of our department newsletter. This publication serves as a vibrant canvas reflecting the academic rigor, technological innovations, and creative pursuits that define the Department of Electronics and Communication Engineering.



We live in an era of unprecedented technological evolution. From the breakthroughs in **5G/6G communications** and **Internet of Things (IoT)** to the rapid integration of **Artificial Intelligence** in semiconductor design, the field of ECE is at the very forefront of shaping the future. Our core mission remains steadfast: to nurture young minds with a deep understanding of engineering fundamentals while equipping them with the cutting-edge skills required to solve real-world global challenges.

Celebrating Our Milestones

This past semester has been remarkably productive. I want to extend my heartfelt congratulations to:

- **Our Students:** Who continue to push boundaries, winning accolades in national-level hackathons, publishing research papers, and securing prestigious placements.
- **Our Faculty Members:** For their unwavering dedication to teaching, securing research grants, and mentoring the next generation of engineers.

Looking Ahead

As we move forward, the department is actively expanding its horizons by strengthening industry-academia partnerships, upgrading our research laboratories, and fostering an ecosystem of entrepreneurship. I encourage all our students to look beyond the classroom—engage in projects, participate in professional societies, and never lose the curiosity to ask "how things work."

I express my sincere gratitude to the editorial team for their meticulous effort in bringing out this newsletter and beautifully capturing the essence of our department.

I hope this edition inspires you and keeps you connected with our growing ECE family. Wishing everyone a highly successful and innovative academic year ahead!

Warm regards,

Dr. Jose P. Therattil

Head of Department,

Department of Electronics and Communication Engineering

Editorial Note

Welcome to the Even Semester 2025–26 edition of ECE NEWS, the official newsletter of the Department of Electronics and Communication Engineering at Jyothi Engineering College, Thrissur. This edition brings together the very best of what our students, faculty, and staff have accomplished across research, innovation, competitions, and community engagement — a testament to the department’s enduring spirit of excellence.

The pages that follow chronicle a season brimming with achievement: conference publications in prestigious IEEE venues, top-tier international rankings, district-level contest victories, and industry-linked learning experiences at IIT Palakkad. Each story here is more than a record of an event — it is proof of a community that dreams big, works hard, and delivers results that matter.

As we look ahead, the Department of ECE remains steadfast in its commitment to nurturing technically proficient, ethically grounded, and socially aware engineers. We extend our heartfelt gratitude to every faculty member, student, and supporting staff whose dedication made this semester truly remarkable. We hope this newsletter inspires, informs, and ignites the passion that drives us all forward.

— *The Editorial Board, Dept. of ECE, Jyothi Engineering College*

Staff in charge



Ms. Neethu Rose Thomas
Assistant Professor, Department of ECE
Jyothi Engineering College, Thrissur

Student Editors



SIVAJYOTHIK M
S8 ECE



VAISHNAV C
S6 ECE



ADISH K SANTHOSH
S4 ECE

Major Activities

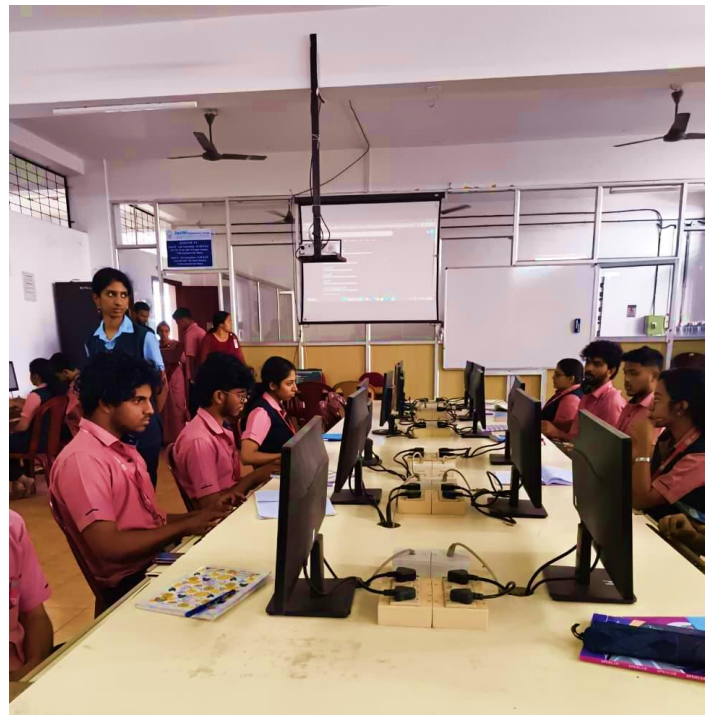
One day Workshop: "Model-Based Design for Communication Systems Using MATLAB & Simulink"

The Department of Electronics and Communication Engineering (ECE) organized a one-day technical talk on "Model-Based Design for Communication Systems Using MATLAB & Simulink", led by Mr. Dhanoop K Dhanpal, Application Engineer – MathWorks Products CoreEL Technologies, Bangalore in association with ISTE, IIIC, IEDC, IIC & ECSA. The workshop was conducted on 5th December 2025 in the Simulation Lab from 9:00 AM to 4:00 PM. The event witnessed the enthusiastic participation of 76 students from various departments. The main objective of the workshop was to provide a strong foundation in MATLAB and to introduce its significance as a powerful tool for scientific computing, data analysis, and network-based applications in electronics and communication engineering.



Two day workshop on "LATEX literacy programme"

The ISTE Student Chapter of ECE, is conducted a two-day workshop on 09.01.26 and 10.01.26 on "LATEX LITERACY PROGRAMME" for the third-year students. Overleaf is a popular online LaTeX editor that simplifies the process of writing professional reports, research papers, and technical documents. LaTeX is a powerful typesetting system widely used for scientific and academic writing due to its ability to handle complex formatting, mathematical equations, and citations with ease. Overleaf provides a collaborative environment where multiple users can edit documents in real time without needing to install any software. To write a report in LaTeX on Overleaf, users typically begin with a predefined template or create a document using standard LaTeX commands. They can structure the report with sections, figures, tables, and references using packages like ****graphicx**** for images and ****biblatex**** for bibliography management. Overleaf also offers features like automatic compilation and real-time preview, making it an efficient tool for producing high-quality documents.



Technical talk on "Building Problem Solvers: The Role of YIP in Technology and Innovation"

A technical talk titled “Building Problem Solvers: The Role of YIP in Technology and Innovation” was conducted on 8 December 2026 to create awareness among students about the Young Innovators Programme (YIP), an initiative of the Kerala Development and Innovation Strategic Council (K-DISC). The session was led by Ms. C. Sanjana Manoj and Ms. Soumya (S8 ECE) and highlighted the objectives of YIP, its role in fostering innovation, and the importance of technology-driven problem solving in addressing real-world challenges. The speakers explained the various stages of the programme, including idea generation, mentoring, prototyping, and implementation. The talk encouraged students to actively participate in YIP by showcasing opportunities for skill development, interdisciplinary learning, and entrepreneurial growth. The session concluded with an interactive discussion, where students clarified their queries and gained valuable insights into innovation-led learning.



Hands-On Session on “DSP Algorithms and Real-Time Applications”

The Electronics and Communication Students Association (ECSA) successfully organized a Hands-On Session on “DSP Algorithms and Real-Time Applications” with the objective of enhancing students understanding of Digital Signal Processing (DSP) concepts and their practical implementation in real-time systems. The session aimed to bridge the gap between theoretical knowledge and real-world applications of DSP. The workshop was conducted on 12th January 2026 from 9:30 AM to 12:30 PM at the DSP Lab. The session was open to students from all branches, promoting interdisciplinary learning, and was primarily aimed at third-year and fourth-year students, considering the relevance of DSP in advanced coursework, projects, and industry applications. A total of 27 students registered for the workshop, out of which 21 students actively participated and attended the session. The session was handled by Dr. Bindhu K. Rajan, Associate Professor, who served as the resource person for the workshop.

**HANDS-ON SESSION ON
DSP ALGORITHMS AND
REALTIME APPLICATIONS**

LEARN THE BASICS OF
DIGITAL SIGNAL
PROCESSING AND HOW
DSP ALGORITHMS WORK IN
REAL-TIME SYSTEMS AND
EVERYDAY APPLICATIONS.

12 JAN 2026
9:30 AM -12:30 PM
DSP LAB

FOR MORE DETAILS

(SPEAKER)
Dr. BINDHU K RAJAN
ASSOCIATE PROFESSOR

Workshop on Virtual Labs – Learning Electronics the Smart Way

Virtual Labs
An Effort to Bridge the Gap Between

Jyothi Engineering College
(AUTONOMOUS)

**Workshop on
VIRTUAL LABS**
LEARNING ELECTRONICS THE SMART WAY

Organized by:
Virtual Lab Nodal Center:
Jyothi Engineering College

Resource Person &
Department Coordinator:
Ms. DRISYA M. K., Assl. Prof.
Department of Electronics &
Communication Engineering

|| Date: 16-12-2025 || Time: 11.30 AM || Venue: Department of Electronics & Communication Engineering



On 16 December 2025, the ISTE and Virtual Lab Nodal Center, Jyothi Engineering College, organized a workshop on Virtual Labs led by Ms. Drisya M. K., Assistant Professor, Department of Electronics and Communication Engineering. The session introduced students to the Virtual Labs initiative of the Ministry of Education and demonstrated simulation-based electronics experiments. The workshop highlighted the benefits of Virtual Labs, including accessibility, safety, repeatability, and enhanced conceptual learning. Participants gained hands-on exposure to virtual experimentation and were encouraged to use the platform for self-learning, assignments, and exam preparation, making the program both informative and impactful.

Plug and Play

The Department of Electronics and Communication Engineering successfully organized the technical event “Plug and Play” on 14 January 2026 at the department laboratory as part of its technical activities. The event focused on hands-on circuit building, where six teams comprising 3–4 students from various engineering departments were provided with electronic components and a circuit problem statement. Participants were required to design and complete the given circuit accurately within the stipulated time, testing their practical knowledge, problem-solving abilities, and teamwork skills. The competition encouraged logical thinking and the real-time application of theoretical concepts while fostering interdisciplinary collaboration among students. A cash prize of ₹1000 was awarded to the winning team. The event was highly engaging and successfully achieved its objective of enhancing technical competence and practical exposure among participants.



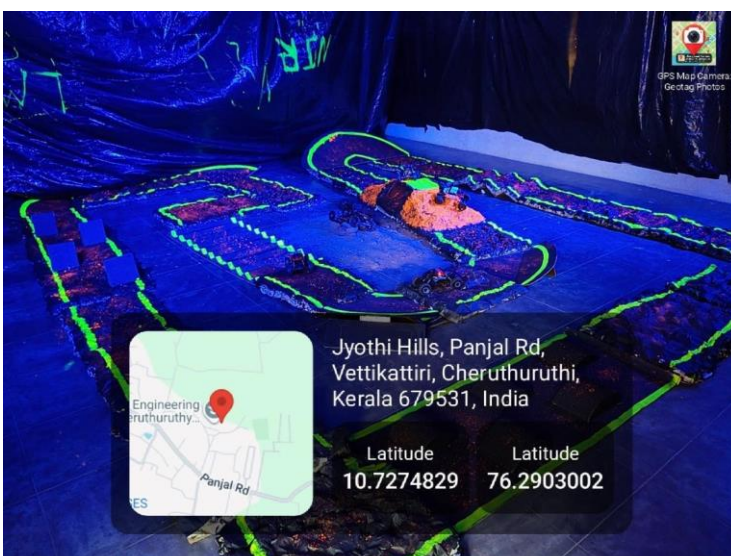
GATE Orientation Program

A technical talk on preparation strategies for the Graduate Aptitude Test in Engineering (GATE) was conducted on 10 February 2026 to help students plan their exam preparation effectively. The session, led by Ms. C. Sanjana Manoj (S8 ECE), provided insights into the GATE exam pattern, marking scheme, and subject-wise weightage. Key preparation strategies, including strengthening fundamentals, solving previous years' question papers, taking mock tests, and improving time management, were discussed. The speaker also shared tips for tackling Numerical Answer Type (NAT) questions, maintaining accuracy, and managing exam stress. The session was informative and motivating, encouraging students to adopt a systematic and confident approach towards GATE preparation.



Neon Tracks

Neon Tracks was successfully conducted on 14 and 15 January as part of the technical fest, attracting enthusiastic participation from students. The event challenged participants to navigate a marked neon track within a specified time while adhering to the competition rules. A total of 36 participants took part over the two days, making the event engaging and competitive. The program was well organized and received an excellent response, providing participants with an exciting and enjoyable experience.



Hands-on workshop on “Rapid Prototyping for Digital Transformation”

The NDLI Club, in association with the ISTE Student Chapter and ECSA, organized a hands-on workshop on “Rapid Prototyping for Digital Transformation” on 20 February 2026 at the ME CAD Lab. The session was conducted by Mr. Christy V. Vazhappilly, Assistant Professor, Department of Mechanical Engineering, and provided students with practical exposure to rapid prototyping techniques and their role in digital transformation. Participants were introduced to CAD modelling, digital design concepts, and modern prototyping tools, while demonstrations showcased the process of transforming ideas into functional prototypes. The workshop highlighted the significance of rapid prototyping in accelerating product development, fostering innovation, reducing costs, and supporting digital transformation across industries. The interactive session enhanced students’ understanding of real-world applications in manufacturing, automation, and product design, making it a valuable learning experience.

NDLI Club in association with ISTE Student Chapter & ECSA is organizing a hands-on workshop on

RAPID PROTOTYPING FOR DIGITAL TRANSFORMATION



Mr. Christy V. Vazhappilly
ASSISTANT PROFESSOR, ME DEPT

ME CAD LAB

20th FEB 2026

10 : 00 AM - 12:30 PM



Cheruthuruthi, Kerala, India
Jyothi Hills, Panjal Rd, Vettikattiri, Cheruthuruthi,
Kerala 679531, India
Lat 10.727427° Long 76.290645°
Thursday, 19/02/2026 01:48 PM GMT +05:30

Ideathon 2026

The Department of Electronics and Communication Engineering, in association with ECSA, IEI-EC, IEDC, and IIC, successfully organized IDEATHON 2026 on 27 February 2026 at Jyothi Engineering College. The event provided a platform for students to present innovative solutions to real-world challenges, fostering creativity, teamwork, and entrepreneurial thinking. Teams showcased ideas spanning artificial intelligence, IoT, smart healthcare, automation, transportation, environmental sustainability, and agriculture. To recognize and encourage innovation, cash prizes of ₹3000, ₹2000, and ₹1000 were awarded to the first, second, and third-place teams respectively. Projects were evaluated by an expert panel based on creativity, novelty, feasibility, scalability, and societal impact. Agrivyaan, an AI and IoT-based smart farming solution, secured the first prize, followed by Tronix, an IoT-enabled automatic pet feeder system, and LOCADOT by Team Helix Prime, a smart Bluetooth-based object tracking solution. The ideathon witnessed enthusiastic participation and highlighted the innovative capabilities of students in developing technology-driven solutions for contemporary challenges, making it a highly successful and impactful event.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEI(EC) & ECSA PRESENT

IDEATHON 2026

Innovative Engineering Solutions
for Real-World Challenges

**27th
FEB 2026**

SCAN THE QR CODE
TO REGISTER

TEAM DETAILS:

- Maximum of 25 groups
- Each team can have up to 4 members

FOR MORE DETAILS, CONTACT :

SREELAKSHMI K G Ph : 9496898901 (S8 ECE) STUDENT COORDINATOR	NEETHU ROSE THOMAS Ph : 8547801784 (ASSISTANT PROFESSOR) STAFF COORDINATOR
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INSIGHT HALL
11: 00 AM- 2:00PM

**1st Prize:3000/-
2nd Prize:2000/-
3rd Prize:1000/-**



Winners



First Prize Winners- Alpha Sqad



Second Prize Winners- Tronix



Third Prize Winners - Helix Prime

Fundamentals of Audio Amplification: Build Your Own Speaker - Workshop

The Department of Electronics and Communication Engineering, in association with ECSA and IEI (EC), organized a hands-on workshop titled **“Fundamentals of Audio Amplification: Build Your Own Speaker”** on 3 March 2026 at the Circuits Lab. Conducted by **Mr. George Thobias Manoj (S6 ECE)**, the workshop provided students with practical exposure to audio electronics, amplifier circuits, and speaker construction. A total of 28 students participated in the session, which covered the fundamentals of audio signals, amplifier components, signal flow, and speaker systems. Participants gained hands-on experience in circuit assembly, component identification, soldering, testing, and troubleshooting while building their own speaker systems. The interactive workshop successfully bridged the gap between theory and practice, enhancing students’ technical skills, creativity, and confidence in electronic circuit design.



MOU Signing SP Industries

The Department of Electronics and Communication Engineering, Jyothi Engineering College (Autonomous), signed a Memorandum of Understanding (MoU) with S P Industries (SPEED), Thrissur, a company specializing in LiFePO₄ battery packs and energy storage solutions for electric vehicles and renewable energy applications. The collaboration aims to strengthen industry-academia interaction through student internships, industry-oriented projects, technical consultancy, expert lectures, workshops, and collaborative research in areas such as Battery Management Systems (BMS), embedded systems, and communication technologies. This partnership will provide students with valuable practical exposure, enhance their technical competencies, and foster innovation and research in emerging technologies.



PTA meeting for S4, S6 and S8 ECE

The PTA meeting for S4, S6 and S8 ECE students was conducted on 26 February 2026 to discuss academic performance, attendance, and overall student progress. Parents and faculty members actively interacted and shared valuable suggestions for the students' academic and professional development.



International Women's Day Celebration 2026

The Department of Electronics and Communication Engineering (ECE), in association with the Women's Development Cell (WDC), celebrated International Women's Day 2026 on 5th March 2026 with enthusiasm and unity under the theme "Give to Gain." The event was organized to recognize and appreciate the invaluable contributions of women faculty and staff members to the academic and institutional growth of Jyothi Engineering College. The celebration commenced with a special gathering of women staff members at the college premises, where participants came together to honor the spirit of womanhood, leadership, and empowerment.

The event fostered a sense of camaraderie and mutual appreciation among the attendees, creating a warm and inspiring atmosphere. Various activities were conducted to encourage interaction, reflection, and celebration of the achievements of women in education and society.

Through this initiative, the ECE Department highlighted its commitment to promoting inclusivity, equality, and women's empowerment within the academic community. The celebration served as a meaningful reminder of the strength, resilience, and positive impact of women in shaping the future. The event concluded with heartfelt wishes and a renewed commitment to supporting and uplifting women in all spheres of life.



Faculty Achievements

Dr. Saritha P



- ▶ Hackathon Mentor: Served as Mentor for Karthavya 3.0 — a prestigious 48-Hour National Level SDG-Focused Hackathon held on 29–31 January 2026 at Jyothi Engineering College, Thrissur, guiding student teams towards socially impactful engineering solutions.

Dr. Prajoon P



- ▶ Special Invitee: Special Invitee at the Silicon Trident Conclave hosted by Muthoot Institute of Technology and Science, in association with IEEE Student Branch MITS and sponsored by IEEE Solid-State Circuits Society — 23rd January 2026.

Dr. Bindhu K Rajan



- ▶ Journal Publication: Published 'Leveraging Machine Learning for Airfoil Shape Optimization and Estimation of Aerodynamic Coefficients in Ground Effect' in the Journal of Aerospace Science and Technology
- ▶ Expert Panel Member: Officiated as Expert Panel Member for the Project Expo organised by the ECE Department, Christ College of Engineering, Irinjalakuda, Thrissur on 1st April 2026.
- ▶ Conference Paper: Published 'Data-Driven Prediction of Airfoil Geometry and Aerodynamic Coefficients using ANN' at IEEE ICONAT 2025, Goa (September 19–21, 2025). DOI: 10.1109/ICONAT66879.2025.11362852.

Ms. Roshni Rajan K



- ▶ Paper Presentation: Presented 'E-Waste Sorting System using AI & Sensors' at the Student Paper Contest 2026 conducted by Carmel College of Engineering, Alappuzha on 13th March 2026.

Ms .Drisya M K



- ▶ NPTEL – Elite: Successfully completed the 12-week NPTEL course 'Introduction to Internet of Things' with Elite Certification.

Faculty Achievements

Dr. Sindhu S



- ▶ Capacity Building Programme: Completed the National Capacity Building Programme on Research and Publications (IIT Dharwad, December 2025), reflecting the department's commitment to continuous faculty development and research excellence.
- ▶ NPTEL – Elite + Silver: Successfully completed the NPTEL course 'United Nations Sustainable Development Goals (UN SDGs)' with Elite + Silver Certification.

Ms. Neethu Rose Thomas



- ▶ Capacity Building Programme: Participated in the National Capacity Building Programme on Research and Publications, a Two-Week Online Evening Course by IIT Dharwad (December 8–19, 2025), strengthening research mentorship capabilities.
- ▶ NPTEL – Elite + Silver: Successfully completed the 12-week NPTEL course 'Introduction to Internet of Things' with Elite + Silver Certification.

Mr. Melvin Joy



- ▶ Patent Publication: Wearable Therapeutic Device (Patent Application No. 202541077721 A), published on 29 August 2025.
- ▶ NPTEL – Elite: Successfully completed the 12-week NPTEL course 'Introduction to Internet of Things' with Elite Certification.
- ▶ Community Outreach: Organized INSPIRA 2K26 and RAPHA QUIZATHON 2K26 on 16 January 2026 at St. Raphael's Public School, Kallur — featuring AI, Robotics, and Science exhibitions alongside an inter-school quiz competition.

Ms. Chippi P D



- ▶ Conference Publication: Published 'Cybersecurity in Metaverse using Starling Murmuration Based Residual Long Short-Term Memory' at CISCON 2025. DOI: 10.1109/CISCON66933.2025.11337530.

Technical Staff - Mr. Reson T T



- ▶ NPTEL – Elite: Successfully completed the 12-week NPTEL course 'Introduction to Internet of Things' with Elite Certification.

Student Achievements & Awards

Ms. C. Sanjana Manoj (S8 ECE)



- Received the ISTE Best Student Chapter Award at the ISTE State Convention held at MBITS, Thiruvananthapuram.
- Selected for the Best Student Award 2024–25 under ISTE Kerala Section.
- Selected for the prestigious **Sunny Diamond Award**, recognising her extraordinary contributions across academics, research, and professional activities.
- Qualified for GATE 2026 with a commendable score — a milestone reflecting her academic depth and engineering aptitude.



Mr. Arun Sankar T K (S8 ECE)



- ▶ Selected for the prestigious **Best Jyothian Award**, honouring his outstanding overall contributions to the department and institution.

Mr. Joyal Jaimy, Ms. Anitta Thomas, Ms. Annmariya Paul & Ms. Nanditha Sreekumar (2022–26 Batch)

- ▶ Won the District Level YIP (Young Innovators Programme) Contest with a cash prize of Rs. 25,000/- for their project 'Automated Indoor Air Quality Control System'.



Student Achievements & Awards

Ms. Aleena Seby (S4 ECE)



- Participated in the National Entrepreneurship Challenge 2025, E-Cell IIT Mumbai, and secured **8th position** in the Advanced Track among 4,000+ college teams across the country.

T Harsh Ramesh , Neha L , Anna Mariya Babu & Vishnuprasad S (S4 ECE)

- Represented the department at the 48-Hour Hackathon 'Karthavya 3.0' — building solutions aligned with the UN Sustainable Development Goals.



Darsana C K, Afeefa Sherin T A , and Durga C K (S8 ECE)

- Represented the department at the two-day IEDC Summit '25 held at LBS College of Engineering, Kasaragod. The Summit served as a valuable platform for students to connect with startup ecosystems, explore funding opportunities, and engage with the broader innovation community across Kerala.



Industrial Visits



25 Feb 2026 | IIT Palakkad RF & Microwave Laboratory

A cohort of Fifty One S6 ECE students, accompanied by Dr. Bindhu K Rajan, Ms. Drisya M K, and Mr. Binoj V J, visited the RF & Microwave Laboratory and Central Instrumentation Facilities at IIT Palakkad. Students gained first-hand exposure to high-end research equipment and the research ecosystem of one of India's premier technical institutions — a compelling glimpse into a career in advanced research.



13 Feb 2026 | Fertilisers & Chemicals Travancore, Ambalamedu

Sixty Three S4 ECE students, accompanied by Ms. Neethu Rose Thomas, Ms. Drisya M. K., and Dr. Prajoon P., visited FACT, Ambalamedu, Kochi. Students observed key production units including the Ammonia, Sulphuric Acid, Phosphoric Acid, Fertilizer, and Caprolactam plants, gaining practical insights into industrial automation, instrumentation, safety protocols, and environmental management.



24 Jan 2026 | CABE Industries, Goa

S6 ECE students, accompanied by Mr. Melvin Joy, Ms. Roshni Rajan, and Ms. Chippi P. D., visited CABE Industries, a leading manufacturer of electrical cables and wiring solutions. Students observed the full manufacturing process — from raw material processing and production to quality testing and industrial automation — connecting classroom theory with real-world engineering practice.



24 Jan 2026 | Mazagon Dock Shipbuilders Limited (MDL), Mumbai

S8 ECE students, accompanied by Fr. David Nettikkadan and Dr. Sindhu S., visited Mazagon Dock Shipbuilders Limited (MDL), Mumbai, one of India's premier shipbuilding and defense manufacturing organizations. Students gained firsthand exposure to advanced shipbuilding technologies, industrial automation, quality assurance systems, and large-scale maritime engineering operations. The visit enhanced their understanding of defense manufacturing, engineering innovation, and the practical applications of technology in the shipbuilding industry.

Project Competitions & Hackathons

Yukthi 2026 — Department-Level Project Competition

1st Prize	<p>Arun Shankar T K, Anjali K, Sreelakshmi K G, Vivek P (Guide: Fr. David Nettikkadan). Solar Powered Seed Sprayer Machine for Paddy Field.</p>	
2nd Prize	<p>Afeefa Sherin T.A., Aswin K, Indradathan K G, Ronit Paulson (Guide: Ms. Roshni Rajan). E-Waste Sorting System using AI & Sensors.</p>	
3rd Prize	<p>Antony Johnson, C. Sanjana Manoj, Sivajyothik M, Soumya P.V (Guide: Dr. Sindhu S). Design & Simulation of RF/Microwave Rectenna for Energy Harvesting.</p>	

Faculty & Student Research Papers

<p>Anjali K, Aivin Simon, Sachin Shiv & Angel Maria (Guide: Dr. Saritha P)</p>	<p>'An Optimized YOLOv8-Based Approach for License Plate Identification and Vehicle Classification' 2026 International Conference on AI-Driven Solutions for Sustainable Smart Cities, Sahrdya College of Engineering, April 9–10, 2026.</p>
<p>C. Sanjana Manoj, Antony Johnson, Sivajyothik M & Soumya P V (Guide: Dr. Sindhu S)</p>	<p>'Inset-Fed Microstrip Rectenna for Microwave Energy Harvesting Using Voltage Doubler Rectifier' 2026 International Conference on AI-Driven Solutions for Sustainable Smart Cities, Sahrdya College of Engineering, April 9–10, 2026.</p>
<p>Mr. Ronit Paulson, Mr. Indradathan, Ms. Afeefa, Mr. Aswini (Guide: Ms. Roshni Rajan K)</p>	<p>'E-Waste Sorting System using AI & Sensors' at the Student Paper Contest 2026 conducted by Carmel College of Engineering, Alappuzha on 13th March 2026</p>

NPTEL Certifications

Congratulations

Students (Batch 2024-2028) from the Department of **Electronics and Communication Engineering** who have successfully completed NPTEL/MOOC certifications.



SOORYA DAS V. S.
INTRODUCTION TO
INTERNET OF THINGS



ALEENA SEBY
INTRODUCTION TO
INTERNET OF THINGS



AVANTHIKA M. S.
INTRODUCTION TO
INTERNET OF THINGS



FAHMIDA SHERIN P. U.
THE JOY OF COMPUTING
USING PYTHON



VASUDEV P. A.
INTRODUCTION TO
INTERNET OF THINGS



MALAVIKA C.
PROBLEM SOLVING
THROUGH PROGRAMMING
IN C



HAINA MARIYA V. B.
INTRODUCTION TO
INTERNET OF THINGS



JYOTHSANA E.
INTRODUCTION TO
INTERNET OF THINGS



RISWANA SHERIN P. N.
THE JOY OF COMPUTING
USING PYTHON



SHINOJ C. V.
INTRODUCTION TO
INTERNET OF THINGS



VYSHAKH K. S.
BASIC ELECTRICAL CIRCUITS

NPTEL Certifications

Congratulations

Students (2023-2027 Batch) from the Department of the **Electronics and Communication Engineering** who have successfully completed NPTEL/MOOC certifications.



Ashin Rose Biju

Introduction to Industry 4.0 and Industrial Internet of Things



Megha N. V.

Introduction to Industry 4.0 and Industrial Internet of Things



Anitta K. B.

Introduction to Industry 4.0 and Industrial Internet of Things



Josiya C. J.

Introduction to Industry 4.0 and Industrial Internet of Things



Sanjay Manoj A.

Electronic systems design: hands-on circuits and PCB design using CAD software



Anaswara Gopinath

Introduction to Internet of Things



Nirmal Krishna K. K.

Introduction to Internet of Things



Suja P.

Digital Circuits



Abhilash B.

Introduction to Semiconductor Devices



Amritha P. M.

Analog Communication



Aswathy N. R.

Introduction to Semiconductor Devices



Gopika Arun Menon

Digital Circuits



Isra Farha K.

Microsensors and Nanosensors



Johnpaul M. M.

Digital Circuits



Jyothi
Engineering College
(AUTONOMOUS)
THRISSUR, KERALA, INDIA

Student Placements

Infosys



ANJALI K. **DURGA C. K.** **MERIN MARIA SUNNY**

 **SOUTH INDIAN Bank**



Arun Shankar T. K.

mitsogo



C. SANJANA MANOJ

 **FACE Prep**



JOYAL JAIMY

 **CROSS CIPHER**



AIVIN SIMON

Student Placements



Angel Maria Dias



Ann Mariya Paul



Darsana C. K.



Nikhil K.

Student Placements



AAKASH MURALI NAIR
ECE



ABHIJITH K. S.
ECE



ANITTA P. THOMAS
ECE



ANLY ANDERS
ECE



ANTONY JOHNSON
ECE



C. SANJANA MANOJ
ECE



EDWIN SHAJAN
ECE



JOYAL JAIMY
ECE



NANDITHA SREEKUMAR
ECE



NIHALA FARVIN P. S.
ECE



SAAHIL K. LAZAR
ECE



SOUMYA P. V.
ECE



SREELAKSHMI K. G.
ECE



SUJIL P. U.
ECE



VIVEK P.
ECE



ARUN SHANKAR T. K.
ECE



Anitta P. Thomas



Anusyooth A. S.



Adithya K. S.



Indradathan K. G.



Nanditha Sreekumar B. T.



Saahil K. Lazar



Hari Krishnan



Joyal Jaimy



Vismaya K.



Sachin Shiv K.

Academic Performance

S3 ECE

1st



T. HARSH RAMESH
SGPA: 9.84



AVANTHIKA M.S.
SGPA: 9.84

2nd



VISHNUPRASAD S
SGPA : 9.28

3rd



HAINA V. B.
SGPA: 9.00

S5 ECE

1st



GOPIKA ARUN MENON
SGPA: 9.46

2nd



MEGHA N V
SGPA: 9.09

3rd



ANAKHA C
SGPA: 8.54

S7 ECE

1st



C. SANJANA MANOJ
SGPA: 10

2nd



ANJALI K
SGPA: 9.70

3rd



ARUN SHANKAR T K
SGPA: 9.60

S8 ECE

1st



C. SANJANA MANOJ
SGPA: 10

2nd



ANJALI K
SGPA: 9.38

3rd



ARUN SHANKAR T K
SGPA: 9.28



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LEADERS OF TOMORROW
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