



Jyothi
Engineering College



ECE NEWS

Department of Electronics and Communication Engineering
Jyothi Engineering College, Cheruthuruthy, Thrissur - 679531

**VOLUME
18 ISSUE
2**

Vision

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

Mission

To impart comprehensive knowledge and practical skills in the field of Electronics and Communication Engineering.

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.

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)

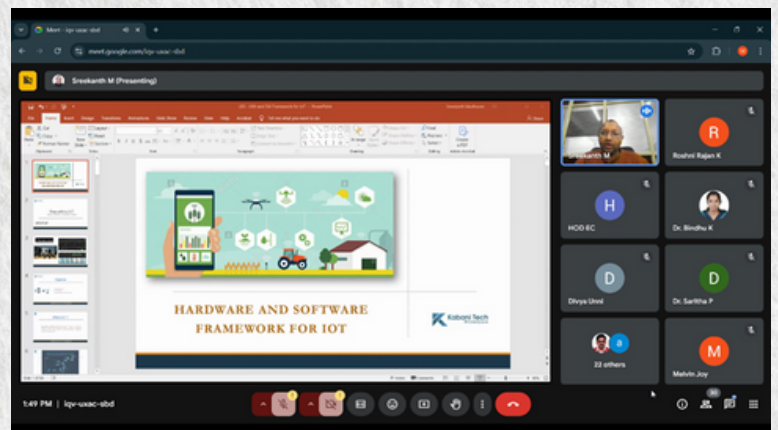
PSO 1: Apply theoretical knowledge and practical skills in the field of Electronics and Communication Engineering to analyze, design, and implement electronic systems, communication networks, and signal processing solutions effectively.

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

Major Activities

1. Department of Electronics and Communication Engineering organized a 5-Day online Faculty Development Program (FDP) on **"Innovative Trends in VLSI, IoT, and Communication Technologies for Modern Applications"** on 21st April 2025 to 25th April 2025.



2. The Department of Electronics and Communication Engineering (ECE) at Jyothi Engineering College, under the professional body **IETE** in association with **ECSA**, successfully conducted an alumni interaction session on the topic **"Beyond the Degree: Skills and Insights for Career Success"** on 8th January 2025.





3. The Department of Electronics and Communication Engineering, in association with **IEI (EC)**, **ECSA**, **IEDC**, & **IIC** successfully organized **IDEATHON 2025: Engineering the Impossible** on 28th February 2025. This event aimed to provide a platform for students to showcase their creativity, critical thinking, and problem-solving skills by working collaboratively on innovative ideas.

IDEATHON 2025
ENGINEERING THE IMPOSSIBLE

Organized by
Department of Electronics and Communication Engineering,
IEI (EC) & ECSA

Date: 28th February 2025
Venue: DSP Lab

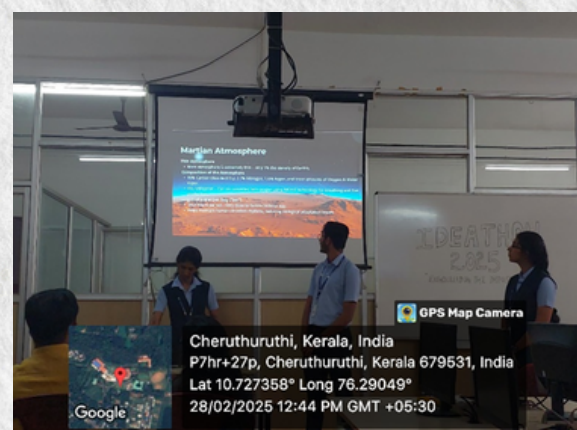
Team Details:
• Maximum 25 groups
• Each Team can have up to 4 members

Participation certificates for all !!

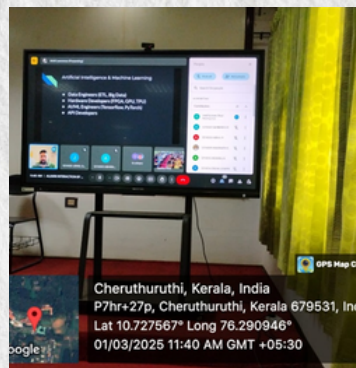
Staff Coordinator: Neethu Rose Thomas (EC)
Ph: 95493 01794
Student Coordinator: Sreelakshmi K G (S6 EC)
Ph: 94960 99901

REGISTRATION FORM
<https://forms.gle/KxxjK22dnfAtHoH7>
Last Date: 26th Feb. 2025

1st Price: 2000/-
2nd Price: 1000/-



4. The Department of Electronics and Communication Engineering (ECE) in association with **IEI (EC)**, **ECSA**, **IEDC** & **IIC** organized an **Alumni Interaction Session** on 1st March 2025. This session aimed to bridge the gap between alumni and current students by providing insights into emerging technologies and industry demands.



5. A workshop on **Software Defined Radio (SDR)** was successfully conducted by Department of ECE in association with **IETE** and **IEEE** on 27th February 2025 at Jyothi Engineering College. The session was led by **Dr. Arun Shaji B. K.**, an esteemed expert in the field of communication systems and SDR technology. The event witnessed enthusiastic participation from students, faculty members, and professionals keen on exploring advancements in wireless communication



6. The Department of Electronics and Communication Engineering in association with **ISTE Student Chapter** and **NDLI CLUB**, organized a technical talk on “**Innovate, Inspire and Ignite**” featuring **Mr. Arjun K M**, Assistant Professor, Robotics and Automation on 3rd January 2025, from 2:00 PM to 4:00 PM. In an era of rapid technological advancements, evolving social dynamics, and global challenges, the principles of igniting, inspiring and innovating have become essential for individual organizations and societies to thrive.



Faculty Achievements

Ms .Saritha P



Ms.Saritha P, completed Ph.D. Viva Voce on 09 April 2025 at NSS College of Engineering, Palakkad, affiliated to APJ Abdul Kalam Technological University, under the guidance of **Dr. Devi V.** and **Dr. Ajay Babu.**

Dr. Prajoon P



Dr. Prajoon P conducted a hands-on session on website profile creation for ECE staff members on 17th January 2025.

Ms. Bindhu K Rajan

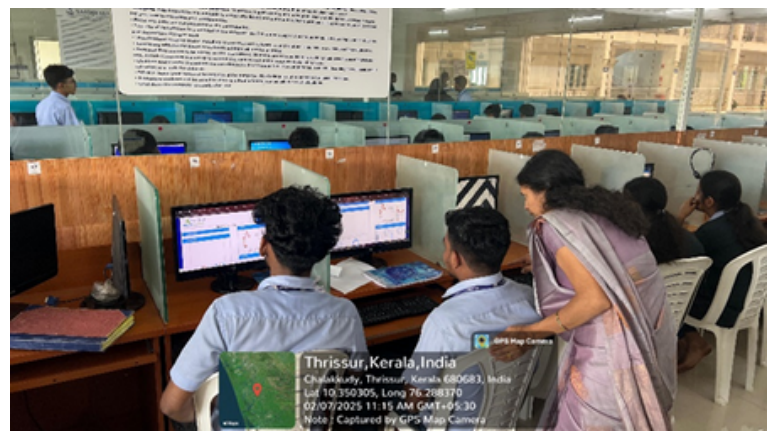
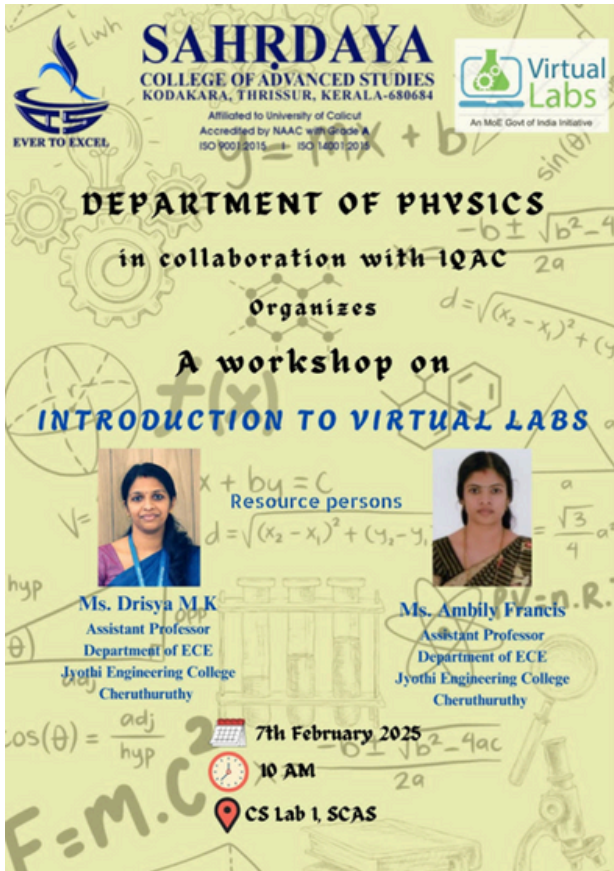


Ms. Bindhu K Rajan, Ph.D. Viva Voce on 21 March 2025 at **NSS College of Engineering**, Palakkad, affiliated to APJ Abdul Kalam Technological University. **Dr.Bindhu K Rajan** handled a session in the student camp at **Sree Durga Vilasam High School**, Peramangalam, Thrissur on 22^d May 2025



Dr. Sindhu S, Dr. Bindhu K Rajan and **Ms. Drisya M K** participated in the **ISTE State Convention** held at **GEC Kozhikode** on 8th March 2025.

Faculty Achievements



Ms. Drisya M. K. and **Ms. Ambily Francis** served as resource persons for a workshop on "Introduction to Virtual Labs" at the Department of Physics, **Sahrudaya College of Engineering**, Thirissur, on 7th February 2025.

Faculty Publications

Ms. Roshni Rajan K



Ms. Roshni Rajan K authored a research paper titled "**DC-DC Single Switch High Gain Converter with Voltage Multiplier**", which was presented at the **2024 International Conference on Advancement in Renewable Energy and Intelligent Systems (AREIS)**, held on 5th & 6th December 2024. The paper is available via IEEE with the DOI: [10.1109/AREIS62559.2024](https://doi.org/10.1109/AREIS62559.2024).

Sr. Jesna Catherine



Sr. Jesna Catherine presented paper titled "**IoT-Based Toxic Gas Detection and Monitoring System for Manholes and Workers**" in the second international conference on **Trends in Engineering System and Technologies** organized by **Government Model Engineering college Kochi**, during 3-5 April 2025.

Dr. Prajoon P



Dr. Prajoon P. presented the paper titled "**E-Secure: Security System Using IoT**" at the 2024 International Conference on Advancement in Renewable Energy and Intelligent Systems (AREIS), held in Thrissur, India, in 2024. The paper appears on pages 1-5 of the conference proceedings and is accessible via IEEE with the DOI: [10.1109/AREIS62559.2024.10893679](https://doi.org/10.1109/AREIS62559.2024.10893679).

Dr. Sindhu S



Dr. Sindhu S presented a research paper titled "**Cloud-Enabled UV Disinfection System for Remote Healthcare Sanitization During Pandemics**" at the Second International IEEE Conference on Trends in Engineering Systems and Technologies, organized by **Government Model Engineering College, Kerala**, held from April 3-5 2025.

INDUSTRIAL VISITS



Students of S8 (2021-2025 batch) ECE completed five day industrial visit at **UMA Converters**, Ahmedabad.



Students of S4 (2023-2027 batch) ECE completed one day industrial visit at **MASCO TEA** factory, Wagamon, Kerala

FDP/conferences attended

1. **Dr. Sindhu S** successfully completed two 8-week NPTEL courses: **Ethics in Engineering Practice** and **Effective Engineering Teaching in Practice**, both with Elite certifications.
2. **Dr. Bindhu K Rajan** completed NPTEL-12 week course on NBA Accreditation and Teaching and Learning in Engineering (NATE). She completed One Week International Online Faculty Development Programme on **Outcome Based Education and Application of Generative AI in Teaching and Research**, organised by **Carmel College (Autonomous)**, Mala, Thrissur in association with **The Collegiate Education Department**, Government of Kerala from 20th February 2025 to 28th February 2025.
3. **Ms. Saritha P** completed Faculty Enablement Program(FEP) on Artificial Intelligence-using Infosys Springboard platform from 17th to 21st February 2025
4. **Mr. Melvin Joy** completed NPTEL - 12 week course on NBA Accreditation and Teaching and Learning in Engineering (NATE)



Student Achievements



Ms. Haritha S, Ms. Novwell Francis, and Ms. Krishnendhu S of S8 ECE successfully completed a one-month internship at **Augsense Lab Pvt. Ltd.**, where they worked on the project titled **"Familiarization with RF Hardware Design"**



Ms. C Sanjana Manoj of (2022-2026 batch ECE) got permission to do internship at **Liquid Propulsion System Center**, Government of Space, Valiamala from 16th June 2025 to 31st July 2025.

Ms. C Sanjana Manoj of ECE (2022-2026 batch) got internship from **VSSC**, Government of India.

Ms. C Sanjana Manoj of S6 ECE qualified for the **GATE 2025** exam.

Student Achievements



Mr. George Thobias of ECE (2023-2027 batch) secured a silver medal in national-level kung Fu under the 51-55kg weight category in the grandmaster king Shifu organized by **VIT**, Chennai.



Mr. Pranav Prasad (2021-2025 batch ECE) got 10 SGPA in the S8 University examination



Students of S8 ECE, **Joe Kolathingal**, **Aswath Chandra B**, **Amritha PR** and **Amarnath S** presented paper titled "**IoT-Based Toxic Gas Detection and Monitoring System for Manholes and Workers**" in the second international conference on **Trends in Engineering System and Technologies** organized by **Govt.Model Engineering college Kochi** , during 3-5 April 2025.

Student Achievements



Students of S8 ECE, **Pranav Prasad, Anli Joy, Remya P and Albert Thomas** presented a research paper titled "**Cloud-Enabled UV Disinfection System for Remote Healthcare Sanitization During Pandemics**" at the **Second International IEEE Conference on Trends in Engineering Systems and Technologies**, organized by **Government Model Engineering College**, Kerala, held from 3-5 April 2025.

Department Wise Winners Of Yukthi Project Expo 2025



The Winners Of Yukthi 2025 - S8 Project Expo-**First Prize-"Braille-Speak: Enhancing Communication For The Deaf-Blind"** - **Arunraj A, Stinoy Steephen, Aiswariya . R And Edwin K.V.**

Department Wise Winners Of Yukthi Project Expo 2025



The winners of Yukthi 2025 - S8 Project Expo-**Second Prize**-"**Design and Implementation of an Effortless Ticket and Passenger Seat Verification System for Indian Railways**"- Abna I P, Prajith Prasanth, Austin Davey Thomas And Jose Bobby



The winners of Yukthi 2025 - S8 Project Expo-**Third Prize**-"**IoT-Based Toxic Gas Detection and Monitoring System for Manholes and Workers**" -Joe Kolathingal, Aswath Chandra B, Amritha PR and Amarnath S



AMRITHA P M of S4 ECE (2023-27 batch) completed 12 week NPTEL course on English language for competitive exams.



Ms. Anitta K B, Ms. Ardra A M, Ms. Rani Varghese, Mr. Adarsh T, Ms. Josiya C J and Ms. Ashin Rose attended a 3-day Student Enablement Program on Generative AI offered by Infosys Springboard . This session is designed to help the students explore the fascinating world of Artificial Intelligence covering the latest advancements and opportunities it brings.



More than 12 students from 2021-2025 batch secured more than 8 SGPA for their seventh semester university examination.



Arun Shankar, student of S6 ECE (2022-2026), conducted a class on C Programming for first year students on January 22nd 2025 at JEC.



Ms. Soumya P V of S6 ECE completed NPTEL course on **Principles and Techniques of Radar**.

NPTEL CERTIFICATE HOLDERS



A total of 82 students from Department of Electronics and Communication Engineering successfully completed NPTEL certification courses.



Anagha C of S4 ECE secured second prize in the water quality awareness competition conducted by the **Centre for Water Research and Education (CWRE)** and the **ISTE student chapter** of JECC on 14th February 2025.



Ms. Gopika Arun Menon of the 2023-2027 ECE batch achieved an SGPA of 10 in three consecutive university examinations, S1, S2, and S3.



Mr. George Thobias of the 2023-2027 ECE batch interacted with first-year Artificial Intelligence and Data Science students and showcased his product Bluetooth speaker.

PLACEMENTS

Mr. Akash P R, Mr.Arunraj A, Mr. Binoy VB, Mr. Jino Joseph, Mr. Joe Kolathingal, Ms. Nandana S and Mr.Vaishnav S - Axis Global Automation Group Of Companies Pvt. Ltd.

Mr. Pranav Prasad- ESAF Small Finance Bank

Ms. Edwin Roshan Nellisery - UST Global PVT LTD.

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES



Mr. Joyal Jaimy of S6 ECE secured first place in the Debate Competition conducted at JECC as part of Arts Fest 2025.



Ms. Darsana C and Ms. Durga C K of S6 ECE won first prize in the Ideathon competition titled "**Engineering the Impossible.**" conducted by Department of ECE in association with ECSA and. IEI(EC).



Ms. C Sanjana Manoj, Ms. Anjali K, and Ms. Sreelakshmi K G won first prize in the **Herizon Ideathon competition** held at JECC as part of Women's Day celebration.

CO-CURRICULAR & EXTRACURRICULAR ACTIVITIES



Ms. C Sanjana Manoj, Ms. Anjali K, Ms. Sreelakshmi K G, Mr. Sivajyothik M and Mr. Arun Shankar T K participated in the state-level **ISTE Student Convention** held at **GEC Kozhikode**, on 9th March 2025.



Ms. C Sanjana Manoj secured first place, and **Mr. Arun Shankar T K** secured third place in the Mind Spark – The Ultimate Brain Challenge quiz competition organized by IEEE of Jyothi Engineering College Cheruthuruthy

University Result Toppers

S3 ECE



1. **GOPIKA ARUN MENON** (10)



2. **MEGHA N V** (8.86)



3. **ANAKHA C** (8.68)

S5 ECE



1. **C SANJANA MANOJ**(10)



2. **ARUN SHANKAR T K** (8.63)



3. **ANJALI K** (8.61)

University Result Toppers

S7 ECE



1. **PRANAV PRASAD** (9.70)



2. **ARUNRAJ A** (9.07)



3. **JOE KOLATHINGAL** (8.93)

S8 ECE



1. **PRANAV PRASAD** (10)



2. **ARUNRAJ A** (9.21)



3. **NOVWELL FRANCIS** (9.21)