



Jyothi
Engineering College



ECE NEWS

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

**VOLUME
18
ISSUE 1**

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.

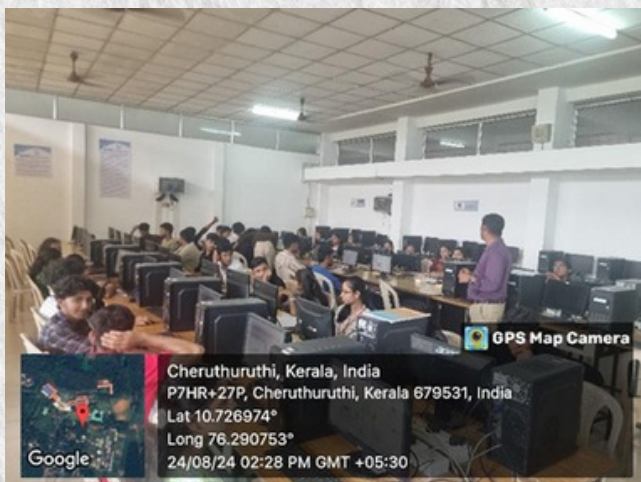
PSO 3: To instill a sense of social responsibility and ethical awareness in students by preparing them to use their technical expertise for the betterment of society and the environment

Major Activities

1. Advisory meeting of the Electronics and Communication Engineering department have been conducted effectively. External resource persons and academicians included **Mr. Arun A Balakrishnan, Assistant Professor, CUSAT; Mr. Gireesh K P, AE , KSEB.**



2. The Department of Electronics and Communication Engineering (ECE) organized a one-day workshop on **TINKERCAD**, led by **Mr. Jinesh K J**, on 24 August 2024 **in association with ISTE,IIIC,IEDC,IIC & ECSA.**



Department of Electronics and Communication Engineering Organizes

One-Day Workshop on

TINKER CAD

24-08-2024

TATA IIIC

Staff Coordinator: Mrs. Saritha P

RESOURCE PERSON:

MR. JINESH K J
ASSISTANT PROFESSOR,
MR DEPARTMENT
JYOTHI ENGINEERING COLLEGE

Logos of partner organizations: IEDC, ISTE, IIIC, ECSA, Jyothi Engineering College.

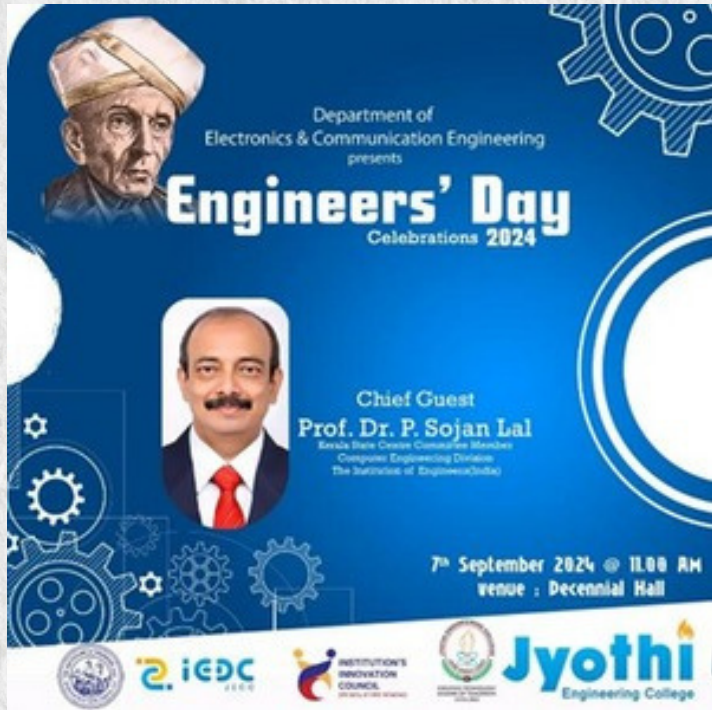
3. One day Campus Workshop on **Basics of Electronics and Embedded System Design** by **Digital Core Technologies Pvtth. Ltd.** (www.dicortech.com) which is an Electronics Design house, based in Kakkanad, Kochi, offering Electronic Product Design Service to Partners worldwide on 30th August 2024.



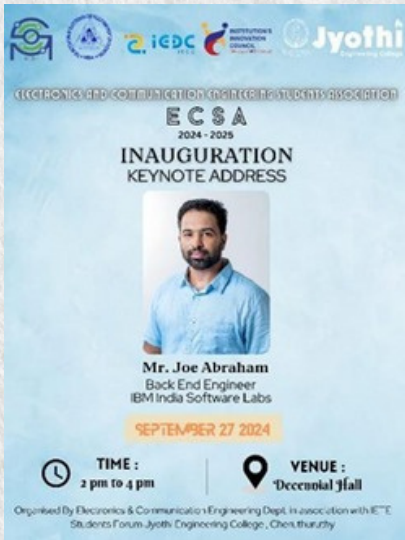
4. On September 6th 2024, the Department of Electronics and Communication Engineering (ECE), in collaboration with the **Institution of Engineers** (India) (IEI), hosted an exciting quiz competition named "**QUIZARD**" at the Scientific Computing Lab. This event was designed to celebrate **Engineer's Day** and to challenge and enhance the participants' knowledge in electronics and technology.



5. Engineers' Day - Inaugurated by **Dr. Sojan Lal (Professor, Rajagiri School of Engineering & Technology & IEI state committee member)** under the banner of ECE dept and IEI (EC)



6. The inauguration ceremony of the Electronics & Communication Engineering Students Association (**ECSA**) was held on 26th October 2023, in collaboration with the Institution of Electronics and Telecommunication Engineers (**IETE**). The event was inaugurated by Dr. Sreekanth M, CEO of Kabani Tech, who is also a proud alumnus of Jyothi Engineering College. His presence added special significance to the ceremony, as he shared insights from his professional journey and encouraged students to embrace the rapid technological advancements in the field of electronics and communication.



7. Two days hands on workshop on “**VEGA PROCESSOR AND IT’S APPLICATION**” was conducted in association with **IETE & C-DAC Trivandrum**.



8. Signed MoU with Inker Robotics Solutions Pvt. Ltd.



Faculty Achievements

Dr. Prajoon P



Ms .Saritha P



Ms .Drisya MK



Ms. Neethu Rose



Ms. Ambily Francis



Ms. Roshni Rajan K



Sr.Jesna Catherine



Dr Prajoon P, Ms Saritha P, Ms Drisya M K, Ms Ambily Francis, Ms Neethu Rose, Ms Roshni Rajan, Sr Jesna Catherine successfully completed 8 Weeks NPTEL Course on **"Accreditation and Outcome Based Learning"** conducted by IIT Kharagpur.

Faculty Publications

Ms. Saritha P



Ms Saritha P published a journal article titled **"High Gain Multiport Boost Converter for Hybrid Renewable Energy Systems"** 2024 International Conference on Advancements in Power, Communication and Intelligent Systems (APCI). DOI: 10.1109/APCI61480.2024.10616951.

Ms. Bindhu K Rajan



Ms. Bindhu K Rajan published a journal article titled **"Augmenting interpretation of vaginoscopy observations in cycling bitches with deep learning model"** <https://doi.org/10.1186/s12917-024-04242-1>.

FDP/conferences attended



Dr. Prajoon P has Participated One week FDP on **"Intellectual property rights, Patent and research"** organized by **Khagarijan College**, Nagaon, Assam from 25 September to 1st October 2024.



Ms Saritha P completed a 10-day (7/10/23-18/10/23) course on the “**Learning Disability-assessment**” course organised by **Planet Growth & Wellness Center**, Kozhikode.



Dr. Sindhu S, Ms. Drisya M K, Ms. Ambily Francis, Ms. Saritha P and Sr. Jesna Catherine participated in International Online Workshop on “**Data Visualization and Analytics**” with Excel, Power BI, Tableau and Generative AI organized by the PG Department of Computer Applications and IQAC of **Marian College Kuttikkanam** (Autonomous) in association with IPSR solutions limited and Valin - UK, USA and Canada from 05th July 2024 to 11th July 2024

Student Achievements

1. Aiswarya R of S7 ECE is selected as top three anchors at Voice of People, conducted by **IEEE WIE SBC MESCE**

2. Placements

Ms. Jayitha Harigovind - "Axis Global Automation Group of Companies"

Mr. Muhammad Raseel-Haritha Techserve Pvt.Ltd

Ms. Reshma Roy-Haritha Techserve Pvt.Ltd

Ms. Reshma Hendry-Haritha Techserve Pvt.Ltd

Mr. Vishnu C-Haritha Techserve Pvt.Ltd

Co-curricular & Extracurricular activities

1. **Vyshnav C** of S3 ECE participated in technical workshop IMPULSE 5.0 at FISAT , Angamaly organized by **IEEE FISAT SB** in collaboration with **IEEE SPS Kerala Chapter**.
2. **Aiswarya R** of S7 ECE is selected as top three anchors at Voice of People, conducted by **IEEE WIE SBC MESCE**.
3. **Soumya P V, Mariyam Rosa and Angel Mariya** (2022-26 batch ECE) participated in five five-day IDE boot camp organized by **AICTE** at **Amal Jyothi Engineering College**. They secured the position of the top 5 teams among 80 teams.
4. **Aswin K, Sachin Shiv, Hari Krishnan, Jerosh James, M.G.Mithun and Yadhu Krishnan M.R.** participated in a two day workshop on "PCB design" organised by IIT Palakkad on 28/09/24 and 29/09/24.
5. **C Sanjana Manoj, Sreelakshmi K G and Sivajyothik M** of 2022-2026 batch ECE participated in the **VFIESTA 3.0** flagship event that brings together innovation, entrepreneurship, and insightful discourse. organised by **IEEE -IES-JEC**
6. **Mohamed Zayan N A, Vaishnav C, Rohan S Koothoor & Arjun S** participated in a workshop **e-KITES 2.0** conducted by **IEEE Education Society Kerala Chapter at LEAD college ,Palakkad**.
7. **Anitta Palamuttam Thomas** of (2022-2026 batch ECE) participated in EV SAKSHAM internship organised by M/s Capabl and JEC from 4/10/24 to 7/10/24.
8. **Blesson stoy, Diyon wilson, Sandeep krishnan, Sandra E, Vishnu Mohan, Abhilash B & Amritha P M** participated in **EV SAKSHAM** internship organised by **M/s Capabl** and JEC from 4/10/24 to 7/10/24.
9. **Edwin Jaison** attended workshop on "**Embedded systems with Arduino**" at **NIT Calicut** on 25th October 2024.
10. **C Sanjana Manoj** has actively participated in the **Introduction to Matlab Workshop** conducted by **IEEE Education society kerala chapter** on 22/06/2024.
11. **Arun Shankar, Sujil P U** along with others conducted a bootcamp on NASA International APP Challenge at **Carmel CMI HSS, Shoranur** on 27/07/24

University Result Toppers

S4 ECE



1. **C SANJANA MANOJ**(9.36)



2. **ARUN SHANKAR T K** (8.86)



3. **SOUMYA P.V**(8.45)

S6 ECE



1. **PRANAV PRASAD** (9.07)



2. **NOVWELL FRANCIS** (8.63)



3. **ARUNRAJ A** (8.61)

S8 ECE



1. **AI SWARYA P K** (9.12)



2. **RESHMA HENDRY** (8.32)



3. **UNNIMAYA SAJAYAN**(8.32)

INDUSTRIAL VISITS



		STUDENTS	ORGANIZATION
S5	19		Southern Railway Palakkad
	5		GENZEE Technologies, Ernakulam
	15		Keltron, Thrissur
	4		Doordarshan, Thrissur
	5		Pacelab, Ernakulam
S3/S4	26	• CEDICOM ELECTRONICS Pvt. Ltd, Shoranur	
S3/S4	3	• STEM ROBOTICS	



Boot camp for NASA at Carmel School, Kulappully
 2 students from S5 ECE were the resource persons
 for the programme held on 27/07/2024
 1. Sujil P U
 2. Arun Shankar T K