



ECE NEWS

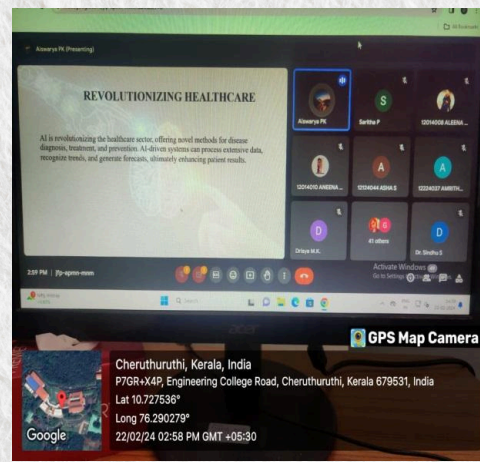
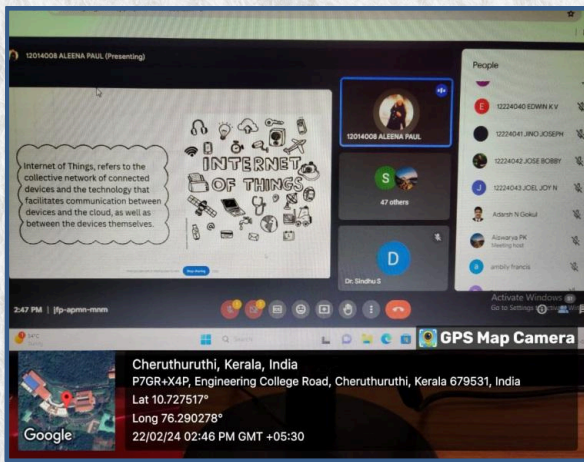
Department of Electronics and Communication Engineering
Jyothi Engineering College, Cheruthuruthy, Thrissur – 679531

VOLUME 17
ISSUE 2

Major Activities

1. Technical Talk on “Emerging technologies in communication field”

ISTE Student Chapter in association with **NDLI CLUB**, conducted a technical talk on **“Emerging technologies in communication field”** by **Ms. Aiswarya P K** and **Ms. Aleena Paul** of S8 ECE on 22nd February 2024 (2:00 pm to 4:00 pm). During the session, the Ms. Aleena Paul explained the topic on **“Importance of IoT in regular life”**. She explains the role of IoT in our day to day life, the benefits and the issues everything in detail. Ms. Aiswarya P K delivers the talk on the **“AI in medical field”**. She beautifully explained the importance of AI in the medical field, how it will be benefit to the customers, the issues and the future. The topic was advanced and informative. More than 100 students from different branches attended the session. The session was closed at 4.00 PM.



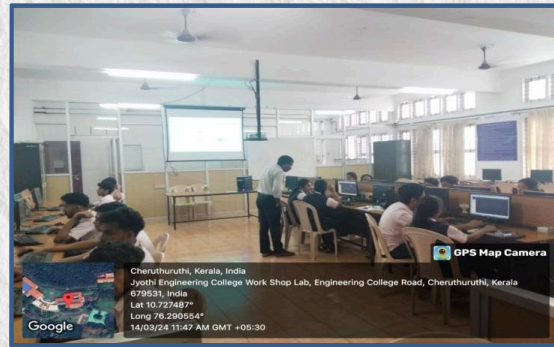
2. Technical Talk on "Empowering Academic Success"

IIIC and the ISTE Student Chapter of the ECE Department is conducting a webinar on "Empowering Academic Success" by Mr. Jeswin Jojy, Data Analytics, Google on 3rd February 2024 (11.00 am to 1.00 pm). Resource person covered empowering academic success involves fostering a supportive learning environment that encourages students to explore their interests and develop critical thinking skills. Providing access to resources, personalized guidance, and cultivating a mind-set of resilience further enhances the journey towards academic achievement. The session ended by 12.30pm.



3. Two day workshop on “INTRODUCTION TO PROTEUS-KICAD”

ISTE Student Chapter of ECE, conducted a two-day workshop during 14-03-24 and 19-03-24 on “**Introduction to PROTEUS-KICAD**” for the third year students. The resource person was **Mr. Reson T T**, Instructor Grade II, ECE, JEC. The purpose of the workshop is to give an introduction to the report making using **PROTEUS** software tool. During these two days they get an overview of PCB design and fabrication for their mini project and project.



4. IDEA FEST –2024 ON WOMEN SAFETY

The **IDEA Fest** conducted on 2nd March 2024, as part of the Women's Day celebrations, focused on the imperative issue of women's safety. The idea fest is organized jointly by the **Women Development Cell** and the Electronics and Communication Engineering (ECE) department, in collaboration with the **Indian Society for Technical Education (ISTE)** and the **Innovation and Entrepreneurship Development Cell (IEDC)** of **Jyothi Engineering College**. The event was held at the Decennial Hall from 11:00 AM to 1:00 PM. The event aimed to promote innovative solutions for enhancing women's safety. A total of 15 teams registered for the **IDEA Fest**, showcasing a keen interest in contributing to the discourse on women's safety. Despite the challenging nature of the theme, 7 teams participated actively, demonstrating their commitment to addressing this pressing issue.

The judging panel comprised eminent personalities with expertise in academia and women's issues. The panel included: **Dr. Sindhu S** (HOD, ECE dept), **Dr. Swapna B Sasi** (CSE DEPT.), and **Dr. Seenia Francis** (AD DEPT). The event was marked by insightful presentations and innovative ideas aimed at tackling various aspects of women's safety.

Each team brought forth unique perspectives and solutions, showcasing the diversity of approaches in addressing this complex issue. The participating teams explored a wide range of themes related to women's safety, including Personal safety measures, Public transportation safety, Workplace safety protocols, Community-based interventions, Technology-driven solutions etc. After careful evaluation, the judging panel recognized the following teams for their outstanding contributions:

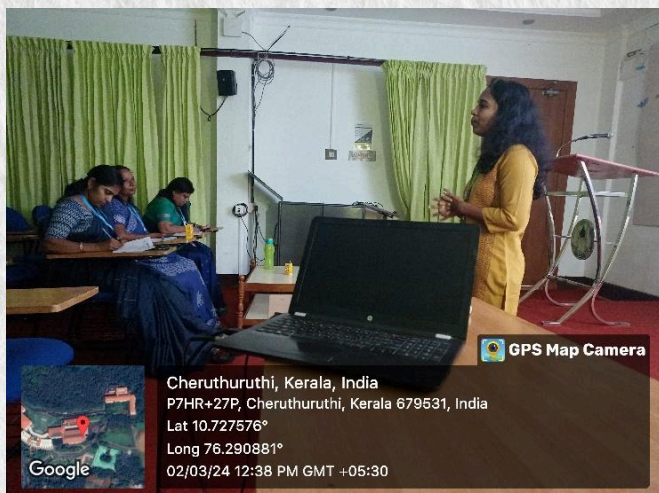
First Prize - Team Innovatrix: Presented "**FemmSense - An Intelligent Pad for Women**", a revolutionary solution incorporating advanced technology to enhance women's safety and comfort during menstruation.

Second Prize - Team Tech Titans: Showcased "**Wearable Safety Bands**", a wearable device equipped with safety features to provide immediate assistance and alerts in emergencies.

The winning teams were awarded with certificates and cash prizes as follows:

First Prize: Rs. 3000 and certificates for **Team Innovatrix**.

Second Prize: Rs. 2000 and certificates for **Team Tech Titans**.



IDEA FEST

CONDUCTED BY WOMEN DEVELOPMENT CELL AND ECE DEPARTMENT

Sponsored by ISTE and IEDC

Ideathon Date:
March 2, 2024

Any student who loves solving problems and being innovative can join. Form a team of 3-5 members with diverse skills and perspectives.

TO REGISTER
<https://shorturl.at/iwzB1>

REGISTRATION DEADLINE
 28th February

10 KTU POINTS FOR PARTICIPATION

FOR ENQUIRIES CONTACT:
 NEETHU ROSE
 ASSISTANT PROFESSOR
 +91 85478 01784

SARJANA MANOJ
 SA ECE
 +91 81579 00853

1ST PRIZE ₹3000
2ND PRIZE ₹2000

Faculty Achievements

Dr. Prajoon P



Participated in a one-week national-level faculty development programme on **“Outcome Based Education and Essential AI Tools for Teachers.”** organized by **St. Thomas College, Palai, Kerala**, from 10th to 16th January 2024.

Participated in five-day online FDP on **“RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI”**, organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai**.

Ms. Roshni Rajan K



Participated in five-day online FDP on **“Control of Robotic Systems: Research Trends and Challenges”**, organized by Department of Electrical and Electronics Engineering, **College of Engineering Perumon** from 05/02/2024 to 10/02/2024.

Participated in five-day online FDP on **“UNLEASHING THE SUSTAINABLE DEVELOPMENTS AND FUTURE TRENDS IN ELECTRICAL ENGINEERING”**, organized by Department of Electrical and Electronics Engineering from 29-01-2024 to 02-02-2024 at **Mangalam college of Engineering, Ettumanoor, Kerala**

Dr. Gaswin Kastro G



Filed a design patent titled **“Probe Feed Antenna”**

Filed an utility patent titled **“RAILWAY TRACK DEFECTS INSPECTION USING ELECTRIC MOTOR TROLLEY WITH EDGE COMPUTING DEVICE”**. This patent got published on 19-01-2024.

Published a book titled **“Introduction to IoT”** on 05-02-2024. ISBN: 978-81-970102-7-9, DOI: <https://doi.org/10.59646/introiott/121>

Faculty Achievements

Ms. Saritha P



Participated in five-day online FDP on ***“Recent advancement in sustainable energy sources: research and development ”*** organized by Department of Physics, **Karpagam Academy of Higher Education, Coimbatore, India – 641021** from 26/02/2024 to 01/03/2024.

Dr. Sindhu S



Participated in five-day online FDP on ***“RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI”***, organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai.**

NPTEL- NBA accreditation and Teaching learning in Engineering

Ms. Bindhu K Rajan



Participated in a one-week national-level faculty development programme on ***“Outcome Based Education and Essential AI Tools for Teachers.”*** organized by **St. Thomas College, Palai, Kerala,** from 10th to 16th January 2024.

Participated in five-day online FDP on ***“RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI”***, organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai.**

Ms. Neethu Rose Thomas



Participated in a one-week national-level faculty development programme on "**Outcome Based Education and Essential AI Tools for Teachers.**" organized by **St. Thomas College, Palai, Kerala**, from 10th to 16th January 2024.

Participated in five-day online FDP on "**RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI**", organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai.**

NPTEL- NBA accreditation and Teaching learning in Engineering

Ms. Drisya M K



Participated in a one-week national-level faculty development programme on "**Outcome Based Education and Essential AI Tools for Teachers.**" organized by **St. Thomas College, Palai, Kerala**, from 10th to 16th January 2024.

Participated in five-day online FDP on "**RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI**", organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai.**

Ms. Ambily Francis



Participated in a one-week national-level faculty development programme on "**Outcome Based Education and Essential AI Tools for Teachers.**" organized by **St. Thomas College, Palai, Kerala**, from 10th to 16th January 2024.

Participated in five-day online FDP on "**RECENT TRENDS IN BIOMEDICAL APPLICATIONS USING AI**", organized by Department of Biomedical Engineering, in association with Centre for Faculty Development, between 29-01-2024 to 02-02-2024, **St. Peters Institute of Higher Education and Research, Avadi, Chennai.**

Sr. Jesna Catherine



Participated in five-day online FDP on "**Control of Robotic Systems: Research Trends and Challenges**", organized by Department of Electrical and Electronics Engineering, **College of Engineering Perumon** from 05/02/2024 to 10/02/2024.

Participated in five-day online FDP on "**UNLEASHING THE SUSTAINABLE DEVELOPMENTS AND FUTURE TRENDS IN ELECTRICAL ENGINEERING**", organized by Department of Electrical and Electronics Engineering from 29-01-2024 to 02-02-2024 at **Mangalam college of Engineering, Ettumanoor, Kerala**

Mr. Ponmani Raja M



Participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Millimetre wave Communication and Key enable technologies - 5G/6G** at **NSS COLLEGE OF ENGINEERING** from 12/02/2024 to 17/02/2024.

The paper title on "**5G-UFMC system for PAPR Reduction Using SRC-Precoding With Different Numerologies**".

Participated **IEEE International conference (ICCSP-24)** on 12th April 2024 at **Adhiparasakthi Engineering College Melmaruvathur, Tamilnadu, India**

Student Achievements

Placement Details

Sl No.	Semester	Name of Student	Details of Organization
1.	S8	AISWARYA PK	Harita Techserve Pvt.Ltd
2.	S8	JINCY SUSAN JOHN	Harita Techserve Pvt.Ltd
3.	S8	MUHAMMAD RASEEL	Harita Techserve Pvt.Ltd
4.	S8	RESHMA ROY	Harita Techserve Pvt.Ltd
5.	S8	VISHNU C	Harita Techserve Pvt.Ltd
6.	S8	JAYITHA HARIGOVIND	Axis Global Automation Group of Companies
7.	S8	MRIDULA J NAIR	Axis Global Automation Group of Companies
8.	S8	SISIRA K M	Axis Global Automation Group of Companies
9.	S8	SREEJITH V	Axis Global Automation Group of Companies
10.	S8	UNNIMAYA SAJAYAN	Axis Global Automation Group of Companies

Student Achievements

CONGRATULATIONS

Toppers of S8
Department of Electronics and Communication Engineering
(2020-24 Batch)



AISWARYA P. K.



RESHMA HENDRY



UNNIMAYA SAJAYAN



SACHIN MANOHARAN



NOOPURA MOHAN

www.jecc.ac.in



Jyothi
Engineering College

Yukthi 2024 DEPARTMENT LEVEL WINNERS



First Prize – Borewell Rescue And Supporting System by Athira Francis, Vishnu C, Alan Alappatt, Parvathy T R



Second Prize – Smart Car Parking System by Unnimaya Sajayan, Sreedev J, Aju Antony, Anupama J



Third Prize – Smart Street Light With Dynamic Brightness Control And Fault Detection by Reshma Roy, Navakrishnan M R, Alan Tomy, Kavyasree A Nair

OTHER ACTIVITIES

1. **Ms. C Sanjana Manoj** and **Ms. Anjali K** of S4 has participated in the 3 days Hands on Workshop on "**VLSI Design Using Verilog HDL**" conducted by **Maven Silicon** in collaboration with **ASAP Kerala** held from February 24 to February 26 2024.
2. **ISTE Student Chapter**, in collaboration with the **NDLI CLUB**, organised a technical talk on "**Emerging Technologies in the Communication Field**" featuring **Ms Aiswarya P K** and **Ms Aleena Paul** from the S8 ECE on 22nd February 2024, from 2:00 PM to 4:00 PM.
3. **IIIC** and the **ISTE Student Chapter** of the ECE Department conducted a webinar on "**Empowering Academic Success**" by **Mr Jeswin Jojoy**, Data Analytics, Google on 3 February 2024 (11.00 am to 1.00 pm).
4. **Ms. C.Sanjana Manoj** completed online course "**VLSI for Beginners**" conducted by **National Institute of Electronics & Information Technology, Calicut** which introduces beginners to the basics of VLSI.
5. **Ms. C.Sanjana Manoj** participated in the **Idea fest** in coordination with **WDC, ISTE** and **IEDC** on 2nd March 2024.