

ECE

Department of
**ELECTRONICS &
COMMUNICATION
ENGINEERING**



Inside the issue

- About the department
- Mini Project Expo
- Department Activities

Editorial Board

Faculty Members

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The Department of Electronics and Communication Engineering was established in the year 2007. The department has an intake of 60 students in B.E. course. The department possesses the most advanced equipment in its laboratories. It also provides opportunities to grow and excel in the technical world by conducting regular workshops and programs in various fields. The department is highly active in research work in the fields of broadband communications, VLSI Design, image processing etc. The students are provided adequate training in the field of signal processing, image processing and digital communication. Students are highly motivated to attend in-plant training in some of the most prestigious organizations during their time with the institution.

Vision of the Department:

1. To provide the quality education in the field of Electronics and Communication Engineering which caters the needs of the society in line with the technological revolution.

Mission of the Department:

1. To upgrade the technical knowledge of the students continuously by providing industrial exposure and innovative projects.
2. To establish a creative learning environment for the students by active learning of the techniques in the electronics and communication engineering field.
3. To nurture career improvement by facilitating skill development and training in the recent technologies.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: To provide the students with a strong foundation in the required sciences in order to pursue studies in Electronics and Communication Engineering.

PEO2: To gain adequate knowledge to become good professional in electronic and communication engineering associated industries, higher education and research.

PEO3: To develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.

PEO4: To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

PEO5: To inculcate in the students a professional and ethical attitude and an ability to visualize the engineering issues in a broader social context.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Design, develop and analyze electronic systems through application of relevant electronics, mathematics and engineering principles

PSO2: Design, develop and analyze communication systems through application of fundamentals from communication principles, signal processing, and RF System Design & Electromagnetism.

PSO3: Adapt to emerging electronics and communication technologies and develop innovative solutions for existing and newer problems.

MINI PROJECT EXPO 2022

Chettinad College of Engineering & Technology organized an Intra College Technical meet, Mini Project Expo'2022 on 28th November 2022, to enhance the technical knowledge of students and motivate them to compete in the global competitive engineering field. More than 132 innovative projects were presented by the students of various departments and 10 governments, private school students' projects were also exhibited and more than 700 students from various schools visited the expo and gained knowledge. All the projects were inspected and evaluated by experts and selected the best project from each department, and awarded with cash prizes. The overall trophy for the best project was bagged by the department of Electronics and Communication Engineering.



Mrs. N. Geetha, the Chief Educational Officer of Karur district inaugurating the Project Expo '2022.

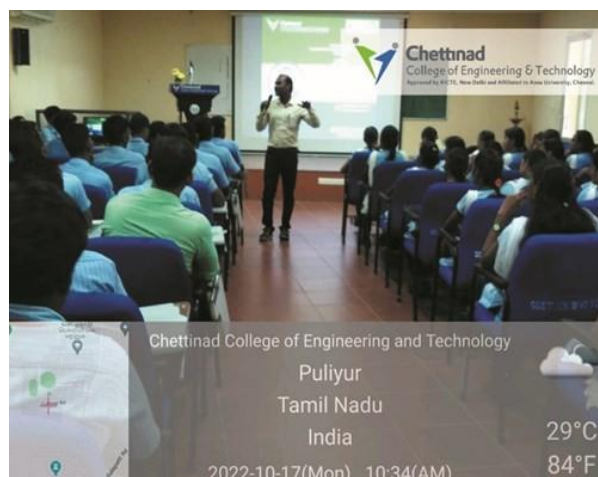


The Department of ECE receiving the Winner's Trophy

DEPARTMENT ACTIVITIES

GUEST LECTURE

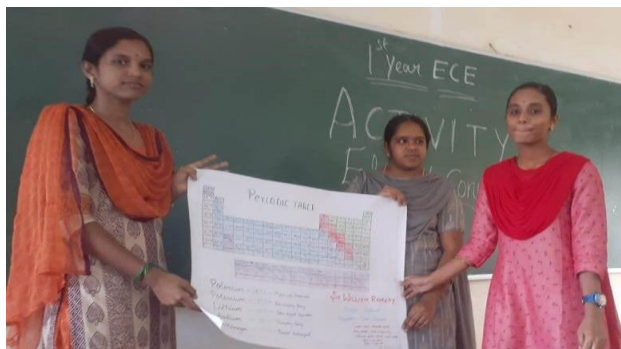
The Department of Electronics and Communication Engineering conducted a guest lecture entitled Wireless Sensor Network Management using Lora Technology on 17.10.2022. The session was handled by Mr. M. Parthiban, Technical Product Manager, Caliber Embedded India Pvt. Ltd., Salem. The guest discussed on electronics with its real time applications, node MCU and its usage in various applications, sensor connections in a network, forming a mesh network and managing it.



Mr. M. Parthiban lecturing on Wireless Sensor Network

ACTIVITY BASED LEARNING

Element Connection, an activity conducted for first-year students on December 2, 2022, aimed to enhance their knowledge of the periodic table by analyzing elements, their occurrences, accessibility, and industrial applications.



1 Year students explaining their prepared periodic table



Chettinad

College of Engineering & Technology

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