



ECE

Department of
**ELECTRONICS &
COMMUNICATION
ENGINEERING**



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Editorial Board

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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.

DEPARTMENT ACTIVITIES

GUEST LECTURE

The Department of Electronics and Communication Engineering conducted the **Valedictory function of ECE Association** on 10.05.2023 with the Chief Guest, Dr. Balaji Sompalle, Director-Product Development, SuperQuantum Technologies India Pvt Ltd, Bangalore. Dr. Balaji Sompalle delivered a talk on “Nanoelectromechanical systems and their fabrication in industrial scale and application towards modern electronics and computing systems especially for the “Quantum Computing applications” and interacted with the students about their clarifications on entrepreneurship, higher studies and job opportunities.



FAREWELL PROGRAM

On May 15, 2023, our III-year ECE students organized a heartfelt farewell celebration for their seniors. The final-year students actively participated in the event and enjoyed the memorable occasion. They shared their most cherished college experiences and offered valuable advice to their juniors based on their learnings. The event was filled with warmth, nostalgia, and camaraderie, making it a truly special moment for everyone.



HANDS ON TRAINING

A Hands on training **Circuit Design** was organized for the I ECE students on May 23rd, 2023. Through this training session, students learned how to use Multisim software to construct basic circuits, filter circuits, rectifier circuits and power supply circuits. Additionally, they practiced on designing the circuits simultaneously.



ACTIVITY BASED LEARNING

On May 30, 2023, first-year ECE students participated in a technical activity titled "Making Crystal Structures." This activity aimed to foster their curiosity and creativity by constructing seven different types of crystal structures using materials such as clay and thermocol. The students actively took part in the building process and showcased their creations, emphasizing the unique characteristics of each crystal structure.



ACHIEVER'S DAY

Chettinad College of Engineering and Technology organized Achiever's Day on May 24, 2023, Mr.K.Padmanabhan, Principal, KSV school graced the occasion. Our student achievers were recognized for their achievements and rewarded with cash prizes.



Our ECE students receiving prize from the chief guest



Chettinad

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