

ECE

Department of
**ELECTRONICS &
COMMUNICATION
ENGINEERING**



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Editorial Board

Faculty Members

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Students

R.Sudhan, IV ECE

M.Anusiya, IV ECE

R.Bubalakannan, III ECE

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 inauguration ceremony of the ECE Association on September 5, 2023. The event was graced by Mr. Arun Ramachandran, Technical Architect, Tata Consultancy Services, Chennai, as the Chief Guest. He delivered an insightful talk on "Virtual and Cloud Networks," covering key features such as scalability, cost-efficiency, redundancy, high availability, resource isolation, automation and orchestration, monitoring and management, and hybrid and multi-cloud strategies. The session provided students with valuable industry insights, enhancing their understanding of modern networking technologies.



TECHNICAL ACTIVITY

TECH HERZ'2K23 was conducted on September 13, 2023. The event provided students with valuable insights into recent trends and advancements in Electronics and Communication Engineering (ECE), enhancing their understanding of various technological inventions.



FRESHER'S DAY

The Department of Electronics and Communication Engineering organized "Fresher's Day for Batch 17 of ECE" on September 25, 2023, at the CNCET Auditorium. The event was meticulously planned and executed by the II-year ECE students, creating a warm and welcoming atmosphere for the newcomers.

The event began with an inspiring address by Dr. M. Kumar, Professor & Head of ECE, who highlighted why ECE is one of the best engineering branches and emphasized the importance of core subjects. Mr. P. Selvan, Associate Professor/ECE, delivered a brief talk on the job opportunities available in the ECE domain, providing valuable career insights for the students. The event successfully strengthened the bond between students, making it a memorable and enjoyable experience for all.



VALUE ADDED COURSE

The ECE Department successfully conducted a Two-Day Hands-on Training on Arduino Programming from September 29, 2023, to September 30, 2023. The objective of this training was to equip students with practical skills and knowledge in Arduino programming and its various applications. All second-year ECE students actively participated in the sessions, gaining valuable hands-on experience. By the end of the training, students were capable of working on projects such as Arduino-based Tricolour LED and Push Button circuits, display counters, interfacing DC and Servo Motors, connecting LCDs, and implementing wireless connectivity.



NON-TECHNICAL ACTIVITY

A nontechnical activity titled **Word search** was conducted for the I - Year students on 18.10.23. This activity enabled the students to know new words and to improve their vocabulary and the art of learning new technical words and its spellings, meanings, and pronunciation.



ALUMNI INTERACTION

The Department of Electronics and Communication Engineering organized an Alumni Interaction Session on "Web Development" on October 27, 2023. The session featured our distinguished alumna, Ms. S. Haripriya, Developer, Mallow Technologies, Karur, who shared her insights and experiences in the field of web development.

The event commenced with a welcome address by Ms. P. Poova Sri, II ECE, followed by the introduction of the Chief Guest by Mr. R. Bubalakannan, III ECE. Dr. M. Kumar, Head of the Department, honored the Chief Guest with a memento as a token of appreciation.

During the session, Ms. S. Haripriya elaborated on key web development technologies, including front-end and back-end development, tools and frameworks, and the web development process. She also provided students with useful job search resources and career guidance. The session concluded with an engaging Q&A segment, where the alumni addressed various queries raised by the students.





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