

ECE

Department of
**ELECTRONICS &
COMMUNICATION
ENGINEERING**



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Faculty members

Ms.D.Ragavi, AP/ECE

Mr.M.Prabhakaran, AP/ECE

Students

R.Sudhan, III ECE

M.Anusiya, III ECE

R.Bubalakannan, II 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.

REPUBLIC DAY

The 74th Republic Day was celebrated at Chettinad College of Engineering and Technology on 26th January 2023 with patriotic fervor. The Chief Guest, Mr. V. Hariprasath, Head of the Department of Mechanical Engineering, hoisted the national flag and delivered an inspiring speech, emphasizing the hard work and sacrifices of our great freedom fighters. Mr. P. V. Subramanian, Advisor, Chettinad Group, addressed the gathering and highlighted the relentless efforts of the nation's sons and daughters in shaping India's progress.

P. Poorvasri (I Year ECE) and Sheik Faiz Ahmed (I Year ECE) volunteered to present patriotic speeches in English and Tamil, respectively, adding to the spirit of the celebration.



Patriotic Speech-Sheik Faiz Ahmed I ECE



Principal presenting certificates

VYUHAA'2023

Vyuhaa 2023 – An Interdepartmental Talent Fest was organized on 10th February 2023 to showcase the hidden talents, creativity, and artistic skills of our students. The event provided a platform for students to display their uniqueness while enhancing their team spirit, multi-tasking abilities, time management, and delegation skills.

A variety of talent-based competitions, including Solo Dance, Solo Singing, Mimicry, Stand-up Comedy, Veggie Carving, Face Painting, Cooking Without Fire, Short Film, and Group Dance, were conducted. More than 300 participants from various departments of Chettinad Tech enthusiastically took part in the fest.

The competitions were judged by esteemed external juries:

- Mrs. Archana Karthikeyan from Thai Herbals
- Mr. Beatbox Velu from AAR Dance Academy
- Mr. Veerasamy Raja from Sri Amaravathi College of Arts & Science, Karur



ECE III Year Girls Won Prize in Dance Competition

TNSCST-STUDENT PROJECT SCHEME

The project "Self-Charging E-Bike" by B. Nitish, A. Kavin, V. Govindaraj, and K. Sunilprasad from the ECE department, under the guidance of Dr. M. Kumar, received a grant of ₹7,500 from the Tamil Nadu State Council for Science and Technology (TNSCST) under the Student Project Scheme.

Chettinad
College of Engineering & Technology
Approved by AICTE-New Delhi and Affiliated to Anna University-Chennai.

TNSCST

Congratulations!
on receiving a grant from TNSCST!

The Department of Electronics and Communication Engineering received a project grant from Tamilnadu State Council for Science and Technology (TNSCST) under Students Project Scheme 2022-23.

TITLE : SELF CHARGING E - BIKE

DR. M. KUMAR, ASSOCIATE PROF. / ECE MENTOR

KAVIN A
IV ECE

V GOVINDARAJ
IV ECE

B NITHISH
IV ECE

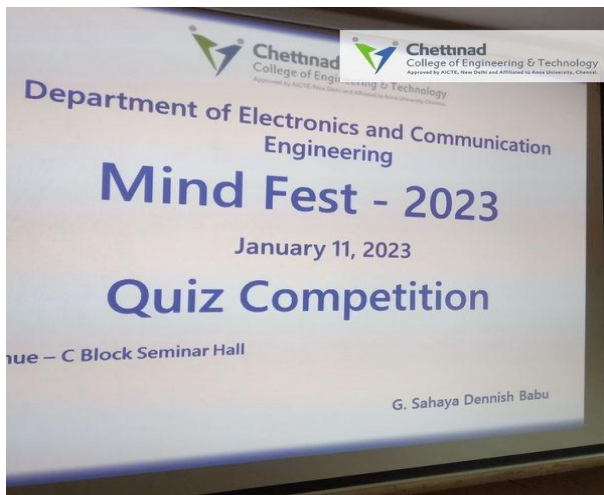
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IV ECE

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DEPARTMENT ACTIVITIES

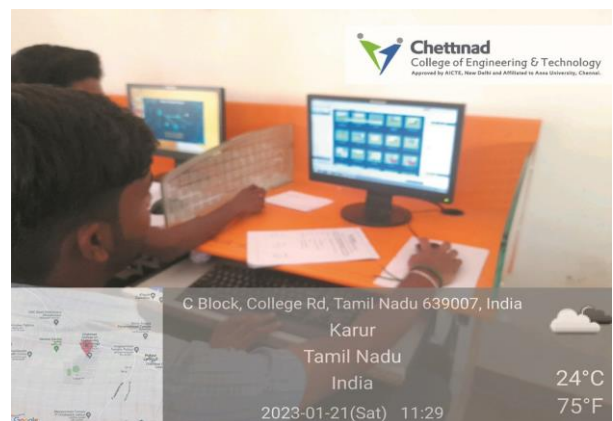
MIND FEST – A QUIZ COMPETITION

Mind Fest – 2023, a quiz competition, was conducted on 11th January 2023 for First-Year ECE students. The quiz featured questions from Engineering Physics, Engineering Chemistry, Python Programming, and General Knowledge. The event witnessed enthusiastic participation from all students, making it an engaging and enriching experience.



VALUE ADDED COURSE

The Department of Electronics and Communication Engineering conducted a Three-Day Value Added Course on "Networking using CISCO Packet Tracer" from 19th to 21st January 2023. The course aimed to enhance students' understanding of computer networks, networking devices, and their functionalities while providing hands-on training on creating and managing networks using CISCO Packet Tracer.



ACTIVITY BASED LEARNING

An engaging activity titled “Water Bottle Rocket” was organized for First-Year students on 20th January 2023. Based on Newton's Third Law of Motion, the activity provided a hands-on learning experience, allowing students to explore fundamental physics concepts in an interactive manner. The event was met with great enthusiasm, and all the students thoroughly enjoyed the experience.



INDUSTRIAL VISIT

An Industrial Visit was organized for First-Year students on 3rd February 2023 to Chettinad Cement Corporation, Karikkali, Dindigul District, to provide practical exposure and insights into real-world industrial operations. The visit offered students a valuable learning experience, enhancing their understanding of the integrated cement manufacturing process. It was an informative and enriching experience, allowing students to witness industry practices firsthand.





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