

VISION OF THE DEPARTMENT

To impart quality technical education in the field of Electronics and Communication Engineering in the young minds for serving the Society and Industry in a globally challenging environment

MISSION OF THE DEPARTMENT

To achieve the vision, the department will

- Impart quality education through state-of-the-art curriculum to meet global needs in Electronics and Communication Engineering field.
- Establish a conducive learning environment for continuous improvement to face the challenges in overall professional development.
- Instill competencies for working in interdisciplinary work culture
- Create desire for undertaking lifelong learning and entrepreneurship initiatives

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

Programme Educational Objectives (PEOs) are established through a consultation process. PEOs are broad statements that describe the career and professional accomplishments that the graduates should achieve three to five years after graduation. The Electronics and Communication Engineering programme graduates will

PEO1: Pursue their professional careers in Electronics and Communication Engineering and related fields by engaging in a global competitive landscape.

PEO2: Seek advanced education and actively enhance their professional skills.

PEO3: Effectively convey ideas and exhibit professionalism when collaborating within diverse teams.

PEO4: Exhibit good inter-personal skills and demonstrate concern for society and environment

PROGRAMME SPECIFIC OUTCOMES (PSOS)

On completion of the B.E (ECE) degree the Electronics and Communication graduates will be able to

PSO 1: Analyze and Design Electronic Systems for Signal Processing and Communication Applications.

PSO 2: Identify and Apply Engineering Tools for Design, Analysis, Synthesis and Validation of VLSI and Communication Systems.

PSO 3: Demonstrate the Conceptual Knowledge with Respect to Architecture, Design, Analysis and Deployment in Embedded Systems and Computer Networking.

CHIEF EDITORS



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ACDEMIC ACTIVITIES



A Value Added Course on "Trace PCB Tracks" was conducted on 20.07.2024, 03.08.2024, 17.08.2024, and 31.08.2024. The sessions were handled by Mrs. A. Anitha Rani and Mr. S. Satheeshkumar, Assistant Professors, ECE Department. This course provided students with practical knowledge and hands-on experience in PCB design and track tracing, enhancing their skills in electronics hardware development.

An Academic Guest Lecture on "Research Challenges and Opportunities in 5G D2D Communication Networks" was organized on 24.07.2024. The session was delivered by Dr. M. Joseph Auxilius Jude, Associate Professor, Kongu Engineering College. It provided valuable insights into emerging research areas and advancements in 5G technology, encouraging students to explore innovative solutions in wireless communication networks.



An Industry Guest Lecture on "Design and Debug of Embedded Systems" was conducted on 22.08.2024. The session was delivered by Mr. Janai Raman, Director, Embedded Guru LLC, Houston, Texas, USA. It provided students with in-depth knowledge of embedded system design and debugging techniques, bridging the gap between academic concepts and industry practices.



An Alumni Guest Lecture on "Role of AI in Future" was organized on 23.09.2024. The session was delivered by Mr. S. A. Yuvaraj, Software Developer, who shared insights on the transformative impact of Artificial Intelligence across various industries. The lecture inspired students to explore AI-driven technologies and their potential in shaping the future.

An Academic Guest Lecture on "LabVIEW for Communication Engineers" was conducted on 20.09.2024. The session was delivered by Dr. S. Navaneethan, Associate Professor, PSG College of Technology. It provided students with hands-on insights into using LabVIEW for designing, simulating, and analyzing communication systems, enhancing their practical knowledge and technical skills.



NON ACDEMIC ACTIVITIES

A Non-Academic Event on "World Chess Day" was celebrated on 20.07.2024. The event was coordinated by Mr. N. Siva and Mrs. N. Nithya, Assistant Professors, ECE Department. It aimed to promote strategic thinking, problem-solving skills, and mental agility among students through engaging chess activities and competitions.



A Non-Academic Event on "Global e-Waste Monitor 2024" was conducted on 19.08.2024. The session was coordinated by Mr. N. Rajagopalakrishnan and Mr. D. S. Mydheeswaran, Assistant Professors, ECE Department. The event focused on raising awareness about e-waste management, recycling practices, and sustainable environmental solutions

A Non-Academic Event on "ISRO Day" was celebrated on 23.08.2024. The event was coordinated by Mrs. A. Anitha Rani and Ms. M. Jothiga, Assistant Professors, ECE Department. It aimed to inspire students by highlighting the achievements of ISRO and encouraging interest in space research and technology.



A Non-Academic Event on "Women's Equality Day" was organized on 27.08.2024. The event was coordinated by Mrs. T. Nathiya and Ms. M. Jothiga, Assistant Professors, ECE Department. It aimed to promote awareness about gender equality and empower women through interactive sessions and activities.

A Non-Academic Event on "World Ozone Day" was conducted on 27.09.2024. The event was coordinated by Mr. B. Karthik Prabu and Mr. S. Satheeshkumar, Assistant Professors, ECE Department. It focused on raising awareness about the importance of protecting the ozone layer and promoting sustainable environmental practices.



IETE ACTIVITIES



The Department of ECE organized a Technical Quiz under the IETE Student Chapter on 21.08.2024 at Kandasamy Hall. A total of 10 finalists competed in the final round, and the top three performers were declared winners. The event was coordinated by Mr. S. Satheesh Kumar and Ms. A. Anitha Rani, AP/ECE.

FACULTY ACHIEVEMENTS



Dr. R. Dinesh published a research paper titled "Aerial Image Segmentation Using Autoencoders and Non-Dominated Sorted Genetic Algorithm-II Enhanced by Non-Linear Analysis" in the Journal of Computational Analysis and Applications, indexed in SCOPUS.



Dr. K. Tamararasi published a paper titled "Context Aware Question Answer Analysis for Student Education Using Sentiment" in Educational Administration: Theory and Practice, SCOPUS indexed, Vol. 30(8), pp. 30–40, September 2024.

Dr. K. Tamararasi published a research paper titled "Seg Caps- Efficient Net Deep Learning Method for Accurate Plant Species Segmentation and Classification" in the African Journal of Biological Sciences, indexed in SCOPUS.

STUDENTS ACHIEVEMENTS



K. Harini, III year, participated in a Symposium held at Shri Shakthi Kailash Women's College on 28th August 2024 and won the Second Prize



M. Naveen Kumar, III year, attended a Symposium at Sengunthar Engineering College on 21st September 2024 and secured the First Prize.



M. Sanjeevan, III year, showcased his skills in a Symposium conducted by Kongunadu College of Engineering on 21st September 2024 and won the First Prize



P. Rajakumar, III year, actively participated in the Symposium at Kongunadu College of Engineering on 21st September 2024 and bagged the First Prize



K. Poongundran, III year, took part in the Symposium at Kongunadu College of Engineering on 21st September 2024 and secured the First Prize



M. S. Saran, III year, competed in the Symposium hosted by Kongunadu College of Engineering on 21st September 2024 and achieved the First Prize.



V. Dinesh Karthick, III year, participated in the Symposium organized by KSR Engineering College on 28th September 2024 and was awarded the First Prize



B. S. Sekaran, III year, exhibited his talents at the KSR Engineering College Symposium on 28th September 2024, winning the First Prize.