

**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 provide sound technical knowledge on Electronics and Communication Engineering to the students

To prepare the students for working in global challenges existing in the industries

To instill competencies in the students for working in interdisciplinary work culture

To create desire for undertaking lifelong learning and entrepreneurship initiatives

**PROGRAMME EDUCATIONAL OBJECTIVES (PEO'S)**

**PEO 1.** To educate the students for acquiring sound knowledge in the field of Electronics and Communication Engineering and interdisciplinary field, so as to meet the needs in the field of Electronics and Communication industries.

**PEO 2.** To provide knowledge and skills for developing new products in the field of Electronics and communication.

**PEO 3.** To offer excellent academic learning environment in department of Electronics and Communication for facilitating students to become eminent team players.

**PEO 4.** To facilitate the students with necessary knowledge in the field of Electronics and Communication Engineering so as to succeed in competitive examination for pursuing higher studies.

**PEO 5.** To expose the students on professional, ethical and social skills to shape them with leadership quality for analyzing and solving engineering and social issues.

**PROGRAMME SPECIFIC OUTCOMES (PSO'S)**

**1. ECE fundamental concepts:** To analyze, design and develop solutions by applying foundational concept of electronics and communication engineering.

**2. Design Principles and Best practices:** To apply design principles and best practices for developing quality products for science and business applications.

**3. Innovations through ICT:** To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.

**CHIEF EDITORS**



**DR.K. TAMILARASI**

AP/ECE



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AP/ECE

**EDITORIAL STUDENT MEMBERS**



**AMUTHA S**

II Year B.E.ECE



**ABISHA S**

III Year B.E.ECE



**AASHA SAPKOTA**

IV Year B.E.ECE

**ACDEMIC ACTIVITIES**



A **Workshop on Project Demonstration** was conducted on **06.08.2022**, coordinated by **Mr. Raja Gopalakrishnan** and **Mr. Satheeskumar**, AP/ECE. The event provided a platform for students to showcase their innovative projects, fostering creativity and encouraging hands-on learning among the participants.

An **Alumni Interaction** session was held on **13.08.2022**, featuring **Mrs. Lavanya**, Assistant Engineer, HCL Technology, and **Mr. Manojkumar**, ML Engineer, Wipro Technologies, Coimbatore. The session provided valuable insights into industry trends and career opportunities, inspiring students to enhance their technical and professional skills.



A **Skill Development** program was organized on **27.08.2022**, coordinated by **Mr. Rajagopalakrishnan** and **Ms. Theivanayaki**, AP/ECE. The program aimed to enhance students' technical competencies and soft skills, fostering their overall professional growth and readiness for industry challenges.





A **Faculty Development Programme on Research and Development** was organized on **09.09.2022**, coordinated by **Dr. G. Jagajothi**, Professor/ECE, and **Dr. Tamilarasi**, ASP/ECE. The program aimed to enhance faculty members' research capabilities and foster innovation in emerging technologies.

A **Seminar on Next Generation Technology** was conducted on **15.09.2022**, coordinated by **Mr. Loganathan**, ECE, and **Mrs. Ramya**, AP/ECE. The session provided insights into emerging technologies, equipping students with knowledge about future industry trends and innovations.



The **Association Inauguration** followed by an **Industry Guest Lecture on Opportunities in Core Industry** was held on **17.09.2022**. The session was delivered by **Mr. Napoleon Mani**, RTL Design Engineer, Tessolve Semiconductor, Bangalore, providing students with valuable insights into career prospects and growth opportunities in the core industry sector.



### NON ACDEMIC ACTIVITIES

A **Teachers' Day Celebration** was organized on **05.09.2022**, coordinated by **Mr. Rajagopalakrishnan** and **Mr. Satheeskumar**, AP/ECE. The event honored the invaluable contributions of teachers and expressed gratitude for their dedication and guidance in shaping students' futures.



An **International Peace Day Celebration** was organized on **21.09.2022**, coordinated by **Mrs. Ramya**, AP/ECE. The event emphasized the importance of peace and harmony, encouraging students to promote unity and mutual respect in society.

A **Coding Contest** was organized on **23.09.2022** as a **Non-Academic Event**, coordinated by **Mr. N. Sakthivel**, ECE. The event aimed to enhance students' problem-solving and programming skills while fostering innovation and healthy competition.



An **Environmental Protection Awareness Rally** was organized on **24.09.2022**, coordinated by **Mr. Loganathan**, ECE. The rally aimed to create awareness among students and the public about the importance of protecting the environment and promoting sustainable practices.

### FACULTY ACHIEVEMENT



**Dr. S. Anbukarupusamy** published a research paper titled "Enhanced Interpolation with Semi Supervised Algorithm and Greedy Forwarding Technique for Forest Fire Prediction over Wireless Sensor and Actuator Networks" in the journal **Advances in Material Science and Engineering**, indexed in **SCI**.



**Dr. A. Vasantharaj** published a research paper titled "Child Safety Wearable and Visually Impaired Assistive Device with Location Tracking System using IoT" in the journal **Mathematical Statistician and Engineering Applications**, **SCI** indexed, Vol. 71, No. 3s (2022), pp. 343–351, ISSN: 2094-0343. Available at: <http://philstat.org.ph/>

**Dr. S. Anbukaruppusamy** published a research paper titled "An In-Tire Pressure Monitoring SoC Using FBAR Resonator-Based ZigBee Transceiver and Deep Learning Models" in the journal **Microprocessors and Microsystems**, **SCI** indexed



**Dr. K. Tamilarasi** published a research paper titled "Deep Neural Network for Image Recognition in Medical Diagnosis" in the **Journal of Pharmaceutical Negative Results**.

### STUDENTS ACHIEVEMENTS



**S. Madhavaraj** won **II Prize** in the **Fine Arts and Cultural Club** event held on **03.06.2022** at **KSR Institute of Engineering and Technology**.