ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering came into existence in the year 2009. It offers a UG programme, B.E. in Electronics and Communication Engineering and a PG programme, M.E.in VLSI Design. The department has a team of committed faculty members who are well qualified and are backed by rich teaching/research/industry experience. The department addresses the growing needs and provides additional opportunities to younger generation to meet industrial scenario. The department has published 8 patents and filled 2 patents. The department has 10 curriculum based laboratories equipped with sophisticated software’s, Center of excellence in embedded systems and IoT, Design Spark PCB innovation lab sponsored by Telos Technologies and also associated with NVIDIA Deep Learning Institute (DLI) platform to train members in the field of Artificial Intelligence. The department has signed 4 MoU with leading industries.

VISION

To be a department of repute for learning and research with state-of-the-art facilities to enable the students to succeed in globally competitive environment.

MISSION

M1: To impart knowledge and skill based education with competent faculty striving for academic excellence.
M2: To instill research centers in the field, that industry needs, by collaborating with organizations of repute.
M3: To provide ethical and value based education by promoting activities addressing the societal needs and facilitates lifelong learning.

PROGRAMME EDUCATIONAL OBJECTIVES

PEO1: Graduates will possess an adequate knowledge and have successful technical career in Electronics and Communication Engineering or related fields.

PEO2: Graduates will possess leadership qualities and demonstrate professional and ethical values.

PEO3: Graduates will continue their life-long professional development through higher education or entrepreneurship.

PROGRAMME OUTCOMES

Engineering Graduates will be able to:

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

PSO 1: Graduates will be equipped with microcontroller based system design skills to work as design and verification engineers in the area of Embedded Systems Design.

PSO 2: Graduates will be able to apply engineering knowledge for the design and implementation of projects pertaining to VLSI Design, Image processing and Communication.
MESSAGE FROM HOD’S DESK

I am very happy that our Electronics & Communication Engineering department is releasing April- June issue of department letter. It is a platform to disseminate the activities performed by the students and faculty members of the department to all the members. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence. It is the time for us to work hard for getting good results in exams. We have arranged several industrial visits and workshops for our 2nd, 3rd and 4th year students in this semester to meet out the industry needs. Our post graduate program is also going on successfully. We have started an exclusive Project Innovation lab for UG students, the students are identified to develop a project to compete in outside events. The department has already submitted the compliance report to the NBA for accreditation. I hope the NBA committee will be visiting our department in the upcoming year. So let us work together for the achievement of this goal. I take this opportunity to congratulate our staff editors Mr.V.Chandran AP/ECE and Ms.R.Ashwatha AP/ECE for their great effort to make this news letter as a reality. Also I invite the readers of ‘ECE department newsletter’ for their contribution and suggestions for the forthcoming issues.

PROGRAMS ORGANISED

1) A one day workshop on “R” was organized by the department of ECE on 09-11-2019. The chief guest for the program was Prof. Radhendushka Srivastava, Department of Mathematics, IIT Bombay.

2) A seminar on “Getting Started With Arm Cortex M4” was organized by the department of ECE on 28-12-2019. The chief guest for the program was Mr.T.Kannan, Technical Engineer, VI Microsystems.
FACULTY PARTICIPATION

1) Dr.N.Rajeshkumar, Dr.K.Kalirajan, Dr.D.Venugopal, Dr.B.Jaishankar, Dr.V.Seethalakshmi, Mr.M.Singaram, Mr.T.Shanmugaraja, Ms.S.Nithya, Ms.M.Supriya, Ms.K.Kaythiridevi, Dr.G.Dhivyasri attended a “One day workshop on R”, organized by IIT Bombay Remote Center, Department of Electronics and Communication Engineering, KPRI Institute of Engineering and Technology on 09-11-2019.


5) Dr.V.Seethalakshmi, Mr.G.K.JakirHussain, Dr.K.Kalirajan undergone an internship in Sai Incubation Pvt Ltd., Coimbatore from 02.12.2019 to 07.12.2019.


7) Mr.V.Chandraprasad, Ms.S.Gunanandhini, Ms.S.Nithya, Dr.G.Dhivyasri undergone an internship in TwirlTact Technologies Pvt Ltd., Coimbatore from 02.12.2019 to 07.12.2019.


GUEST LECTURE DELIVERED

1) Mr. V.Chandran delivered a Guest lecture on “NVIDIA certification of fundamentals of deep learning using computer vision” organized by Department of Electronics and Communication Engineering at MepcoSchlenk engineering college, Sivakasi on 15-11-2019 and 16-11-2019.


3) Mr. V.Chandran delivered a Guest lecture on “Real time examples of deep learning in bio informatics handson” organized by Department of Electronics and Communication Engineering at Sri Krishna College of Engineering and Technology, Coimbatore on 20-11-2019.

4) Dr.M.G.Sumithra delivered a Guest lecture on “Deep learning for IoT big data and streaming analytics” organized by European Alliance for Innovation and Eshwar college of engineering on 13-12-2019.
FACULTY PUBLICATIONS

1) V. Chandran presented and published a paper entitled on “Design of Deep Convolutional Neural Networks for Efficient Classification of Malaria Parasite”, Second EAI International Conference on Big data innovation for sustainable cognitive computing organized by European Alliance for Innovation and Eshwar College of engineering on 13-12-2019.