

ERODE SENGUNTHAR ENGINEERING COLLEGE

(An Autonomous Institution)

PERUNDURAI, ERODE - 638057



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MAGAZINE



LET'S CREATE THE FUTURE

MAY - JUNE (2025)



ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year of 2000. It offers UG Programme (B.E.) in Electronics and Communication Engineering and PG Programme (M.E.) in Applied Electronics. The Department has also been recognized as a centre for carrying out Ph.D. Programme under Anna University. It has good infrastructural facilities with well-experienced and dedicated team of faculty members. The Department has signed MoU with various companies and has collaboration in Research & Development / Student Projects Consultancy works. The Department organizes National level Students' Technical Symposia and Project Exhibition every year.

VISION

To impart professional excellence, leadership qualities and competence, embedded with character in students and serve the society through research.

MISSION

- Create Learning Environment to serve the societal needs.
- Impart State of art Technical Education to groom engineers with high professional standards.
- Promote innovative ideas and augment research to improve the quality of life through application of technology.
- Provide high quality ethical engineers for the Benefit of the Society.

Programme Educational Objectives (PEOs)

- Impart the learners, an ability to understand and analytical, academic use and communication skills effectively with special emphasis to fulfill societal needs.
- Inspire the beginners to enrich their skills throughout career by learning about emerging technologies, adapting and accepting the changes to achieve leadership position in industry or academia.
- Prepare graduates to innovate products/solutions through research to real life problems for boosting the economy of the region and the nation.
- Prepare graduates to work effectively as a team and practice ethics in the profession with a sense of social responsibility.

Program Specific Outcomes (PSO)

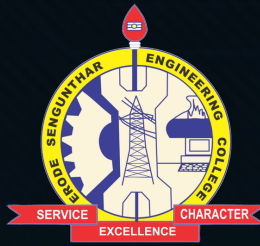
PSO1: Interpretation Skills: Acquire skills to design, verify and validate electronic functional elements for a variety of applications.

PSO2: Core Competences: Ability to use hardware and software tools to solve complex problems in VLSI, Communication, RF and Embedded Systems.

PSO 3: Attitude: Develop an attitude of lifelong learning for sustained career advancement and adapt to the changing multidisciplinary profession.

**Courses Offered: B.E. Electronics and Communication Engineering (4 Years),
M.E. Applied Electronics (2 YEARS)
& Ph.D., (3 Years)**





FACULTY ACHIEVEMENTS

Scopus Publication

Mr. S. Gladson published a Scopus-indexed research paper titled "M-DODGE: Mutation Based Dragon Fly Optimized Deep Learning Model for Congestion Control in MANET" in the IETE Journal of Research. This publication highlights his research contribution in the field of intelligent networking and deep learning, strengthening the department's academic and research excellence.

Scopus Publication

Mr. N. Sakthivel published a Scopus-indexed research paper titled "Adaptive Wavelet Convolutional Bidirectional Network-Based and Denoising for Digital Color Images" in the Journal of Circuits, Systems and Computers. This achievement reflects his valuable contribution to advanced image processing research and enhances the department's research profile.

Paper Presentation

Dr. G. Satheeshkumar presented his research paper titled "Advancement in Massive MIMO Technologies: Comprehensive Literature Survey on Channel Estimation" at an IEEE Conference. His research contribution demonstrates academic excellence and advances knowledge in the field of wireless communication technologies.

Editorial Team



**Ms.V.SAVIEETHA, AP/ECE
Coordinator**

Grateful to have been part of the Magazine creation.
My appreciation goes out to the incredible team
whose dedication made it possible.



**DR.S.BHARATHIDASAN
HOD/ECE**

Proud to have been part of the magazine's creation.
My heartfelt appreciation to the dedicated team
whose hard work and creativity made this
achievement possible.



**ESAKIGANESHAN R
- EDITOR**



**BHARANIDHARAN R -
CONTENT WRITER**

THANK YOU