



ERODE SENGUNTHAR ENGINEERING COLLEGE



(An Autonomous Institution)

(Approved by AICTE, New Delhi Permanently Affiliated to Anna University - Chennai)

Accredited by NAAC & National Board of Accreditation (NBA), New Delhi.)

PERUNDURAI, ERODE – 638 057

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Vision

- ✦ To provide competent and ethical electrical engineers finding solution to problem related to society, environment and industry using innovative technologies.

Mission

- ✦ To make a positive difference among electrical and electronics engineering students through innovative teaching learning methods
- ✦ To provide electrical and electronics engineering knowledge base at large for the upliftment of different background people
- ✦ To instill research oriented mindset and to develop well-furnished electrical and electronics engineering research labs
- ✦ To inculcate the moral and ethical values among students in order to make them competent and quality electrical and electronics engineers

Program Educational Objectives (PEOs)

- ✦ To impart fundamental electrical and electronics engineering knowledge through collaborative and case study methods of teaching learning process
- ✦ To produce quality electrical and electronics engineering graduates with in-depth technical knowledge including current issues and challenges in this field
- ✦ To develop and enhance research based facilities so as to address the industrial issues and challenges
- ✦ To imbibe effective communication, interpersonal and other managerial skills for the holistic development of EEE students

Program Outcomes (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **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 (PSOs)

PSO1: Real World Knowledge- Apply the knowledge in solving the real time problems and solutions to issues and challenges in Electrical and Electronics Engineering technologies.

PSO2: Interdisciplinary Skill- Design and develop interdisciplinary and innovative system.

PSO3: Personality Development – Imparting effective communication, team work and leadership skills for a successful career in industry and R&D.

ASSOCIATION ACTIVITIES



The inauguration of EEE association (DYNAFEST 2021-21), IQAC, IE(I) Student Chapter and IEEE student branch activities for the academic year 2021-22 was held on 06.09.2021. Mr. P. Ramakrishnan, Business Manager, Live Wire, Erode inaugurated EEE association, IE (I) Student Chapter and IEEE student branch activities. Guest lecture I on the topic “Emerging Technology in Electrical World” was conducted on 06.09.2021. More than 150 students were participated in this function.

- Online Webinar on the topic “FINANCIAL AWARENESS AND CONSUMER TRAINING FOR STUDENTS” was conducted on 29.09.2021. Mr. M. MANOHARAN, Trainee, National Centre for Financial Education (NCFE), Navi Mumbai was the resource person. More than 200 students were participated in this function.
- Online Webinar on the topic “Climate Change Mitigation through Energy Conservation” was conducted on 15.12.2021. Er. P. Premkumar, Energy Auditor, PCRA, Chennai was the resource person. More than 200 students were participated in this function.

WORKSHOP / SEMINAR ATTENDED BY THE STUDENTS:

- E.Dinesh, P.Gomathi and J.Jayakumar of IV year EEE attended a workshop on the topic “Electronic circuits and PCB design” conducted by Pantech E Learning from 12.07.2021 to 16.07.2021.
- J.Jayakumar of IV year EEE attended a workshop on the topic “Obstacles Avoiding Robot” conducted by Life changers academy on 10.8.2021.
- R.Mugesh Kannan, L.Raghul and V.Jothika of III year EEE attended a workshop on the topic “Web Development” conducted by Life changers academy on 13.8.2021.

- T.Narayanasamy and V.S.Arun Praveen of III year EEE attended a workshop on the topic “HAM PRACTICE” conducted by KPR Institute of Engineering and Technology, Coimbatore on 14.8.2021.
- V.Jothika of III year EEE attended a workshop on the topic “Photoshop for beginners” conducted by Life changers academy on 17.8.2021.
- V.S.Arun Praveen of III year EEE attended a workshop on the topic “Sucide is not an option” conducted by Life changers academy on 24.9.2021.
- K.Muruganantham and R.Manoj of II year EEE attended a workshop on the topic “Design thinking and product inniovation” conducted by ARIFA Institution of Technology, Thirukkulavalai on 03.10.2021.

Paper / Project Presentation Details						
S. No.	Name Of The Student	Year / Semester	Name of the Symposium / Conference	Name of the Institution organized	Prize	Date
1	K.Manoj Kavin K.Jansirani	II/III	TECHNICAL PAPER PRESENTATION	SRM Valliammai Engineering College, Chennai	I Prize	1-10-2021
2	V.Senthamizhan P.Praveen kumar				III Prize	

PAPER PUBLISHED BY THE FACULTY MEMBERS:

- Dr P.Selvan published a paper on “DCM Based Bridgeless PFC converter for EV Charging Applications” in the International Journal of Trend in Scientific Research and Development, Volume 5, Issue 6 (Sep – Oct 2021).
- Dr P.Selvan published a paper on “Smart Cities with the Integration of Sensor Systems Using IoT” in the Drugs and Cell Therapies in Hematology, Volume 10 , Issue 1 2021.

- Dr. M. Shyamalagowri published a paper on “IoT based Accident Detection and Smart Traffic Monitoring System using Vehicle Counts for Smart Cities” in the Journal of Chengdu University of Technology, Volume 26, Issue 8, 2021.
- Dr. M. Shyamalagowri published a paper on “Internet of Things Based Smart Agriculture Monitoring and Irrigation utilizing Raspberry PI” in the Journal of Chengdu University of Technology, Volume 26, Issue 8, 2021.
- Mr. L. Anbarasu / AP(Sr.Gr.) published a paper on “A Novel Approach For Smart Fan & Light Control System For Industrial Applications” in Natural Volatiles & Essential Oils, 2021;8(5):604–610.
- Dr.R.Muthukumar, Mr. L Vijay Anand and Mr. E. Immanuvel Bright published a paper on “Energy Utilization and Prediction using Machine Learning for Improving EMS system: A Study Approach” in Turkish Online Journal of Qualitative Inquiry (TOJQI)Volume 12, Issue 7, July 2021: 3988-4000Research Article.
- Dr.G.S.Satheeshkumar and Ms. S. Tamilselvi published a paper on “Modeling and simulation of single- and double-diode PV solar cell model for renewable energy power solution” in Springer Link Environmental Science and Pollution Research 2021, August 2021.

FUND RECEIVED

Name of the faculty	Project Title	Project Type		Funding Agency	Amount (in Rs.)	Duration
		Research /	Consultancy			
Dr. M. Shyamala gowri	Challenges and Opportunities for Electric Vehicle Adaptation	ATAL Faculty Development Programme		AICTE Training and Learning Academy	93,000	5 Days

2018-2022 BATCH PLACED STUDENTS DETAILS

ERODE SENGUNTHAR ENGINEERING COLLEGE
DEPARTMENT OF ELECTRICALS AND ELECTRONICS ENGINEERING
 Placed students-2022
Congratulations

S. LINGESWARAN ONE BILL SOFTWARE	M. UMA TCS	M. MYTHILI TCS	R. MUGILAN WIPRO	M. KARTHIK WIPRO	D. SARANYA AVASOFT	S. SOWMIYA AVASOFT	N. KEERTHI RAJ WEBBERAX
P. KARTHIKRAJ AVASOFT	J. JAYAKUMAR JOB WORLD	D. NIRMAL JOB WORLD	V. MOWLEESWARAN JOB WORLD	M. AAKASH JOEL JOB WORLD	V. NANDHINI JOB WORLD	K. UMA MAHESWARI JOB WORLD	P. GOMATHI NCR CORPORATION INDIA PVT. LTD.,
R. SANGEETHA NCR CORPORATION INDIA PVT. LTD.,	E. DINESH NCR CORPORATION INDIA PVT. LTD.,	T. GUNASEKARAN NCR CORPORATION INDIA PVT. LTD.,	M. KARAN PANDIYAN NCR CORPORATION INDIA PVT. LTD.,	B. OLIVANAN NCR CORPORATION INDIA PVT. LTD.,	P. POOVESH NCR CORPORATION INDIA PVT. LTD.,	S. SUGISIVAM NCR CORPORATION INDIA PVT. LTD.,	S. VINOTH KUMAR NCR CORPORATION INDIA PVT. LTD.,

We hope for your continued success...

Dr P Selvan and L Anbarasu
Chief Editors
ESEC EEE Newsletter
Editorial Committee
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M. MYTHILI – IV EEE
N. KEERTHIRAJ – IV EEE
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