



ERODE SENGUNTHAR ENGINEERING COLLEGE



(An Autonomous Institution)

(Approved by AICTE, New Delhi, Permanently Affiliated to Anna University, Chennai & Accredited by National Board of Accreditation (NBA), New Delhi, NAAC, Bangalore & IE(I), Kolkata)

PERUNDURAI, ERODE – 638 057

NEWS LETTER

VOLUME - 2

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



**JANUARY - JUNE
2023 2023**

**“Discipline is just choosing
between what you want now
and what you want most.”**

– ABRAHAM LINCOLN





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DEPARTMENT ENTERPRISE

The Electrical & Electronics Engineering Department is one of the oldest department of the Institute which was established in the year 1996. Presently, the department offers both Undergraduate and Postgraduate program with the specialization in Power Electronics and Drives. The Department has well equipped laboratories such as Electrical Machines laboratory, Power Systems Simulation Laboratory, Control Systems laboratory, Electrical Measurements laboratory, Power Electronics & Drives Laboratory and Electrical workshop Laboratory. The faculty members have been active in teaching and research activities and regularly producing research publications in international and national journals and conferences, Students passed out from this department get excellent placements through campus selection both in the core area industries and software companies of national and international level. Alumni of Electrical & Electronics Engineering Department are very well placed in all sectors and have reached to the top level positions in the state/central government and private organizations. The UG program is permanently affiliated to Anna University, Chennai and accredited by NBA. The department is recognized as an Anna University approved research center.



>>> 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 SPECIFIC OUTCOMES (PSOS)

- Real World Knowledge -Apply the knowledge in solving the real time problems and solutions to issues and challenges in Electrical and Electronics Engineering technologies.
- Interdisciplinary Skill -Design and develop interdisciplinary and innovative system.
- Personality Development -Imparting effective communication, team work and leadership skills for a successful career in industry and R&D.

>>> PROGRAM EDUCATIONAL OBJECTIVE(PEOS)

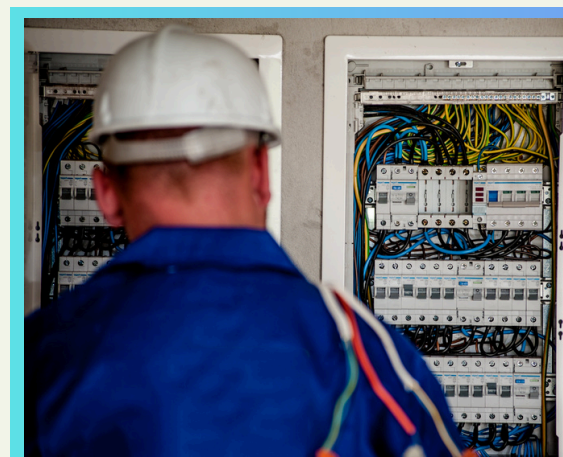
- **CORE COMPETENCE:** To impart fundamental electrical and electronics engineering knowledge through collaborative and case study methods of teaching learning process
- **BREADTH:** To produce quality electrical and electronics engineering graduates with in-depth technical knowledge including current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





PROGRAM OUTCOMES (POS)

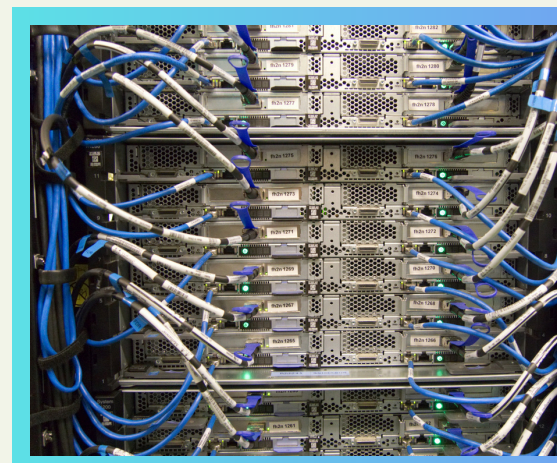
- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **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.
- **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.
- **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.
- **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.





PROGRAM OUTCOMES (POS)

- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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.
- **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





DEPARTMENT VENTURES

✦ Internal Quality Assurance Cell & Electrical and Electronics Engineering of Erode Sengunthar Engineering Colleges, Perundurai has Organized One Day Workshop on "Outcome Based Education" on 04.02.2023. Dr. V. Murali Bhaskaran, deans academics and Professor in CSE, Rajalakshmi Engineering College, Chennai has delivered the Workshop.



✦ Our EEE students received young scientist award in NEW INNOVATION EXHIBITION held at Chennai Malai and shared the award to our honorable principal sir on 14th February 2023 at Erode Sengunthar Engineering College.



✦ It is our immense pleasure to share the post event report of the "DYNAFEST" Association & IEEE Association Inauguration in the forenoon session along with the Guest Lecture on "Computer on Wheels and Opportunities to students" on 23.06.2023 at 10.30am Friday. The Chief Guest P. Thamilarasan, Senior Engineer, Continental Automotive, Bengaluru, who spoke about "life skills". The sessions were useful to students' future events.





DEPARTMENT VENTURES

- It is our immense pleasure to share the post event report of the "DYNAFEST Association & IEEE Association conduct Seminar on "MATLAB PROGRAMING APPLICATION "on 24.07.2023 at 10.30am Monday.



- It is our immense pleasure to share the post event report of the "DYNAFEST" Association & IEEE Association In the forenoon session along with the Seminar on "Smart grid with Integration Source" on 28.06.2023 at 10.30am Wednesday .The chief guest Mr.S.Ananthakrishnan had take the session very well and The sessions were useful to students Future Events.



- It is our immense pleasure to share the post event report of the "DYNAFEST Association & IEEE Association in the Afternoon sessions "Nikola Tesla Day" on 10.07.2023 at 2.30 Thursday day.



- V.S. Arun pravin and V. Jothika final year EEE got NIT, kozhikode national award for best B.Tech project in ELECTRICAL AND ELECTRONICS ENGINEERING(Automated solar energy multi-function from robot)



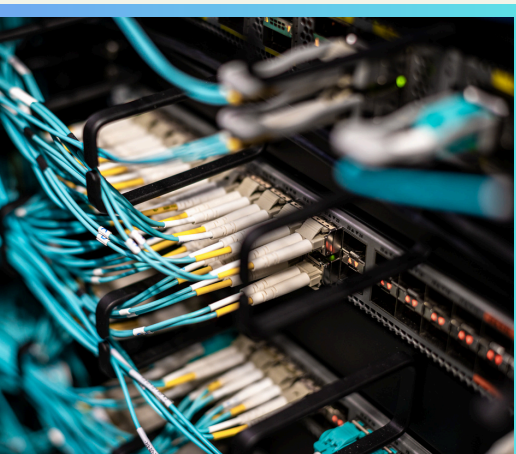


RESEARCH OUTCOMES



- Dr. R.Muthukumar presented a paper on ‘IOT based forest tree smuggling Prevention System”at PSG Institute of Technology and Applied Research Coimbatore on 17.03.2023 and 18.03.2023.
- Dr. R.Muthukumar presented a paper on “2nd International Conference on Applied Artificial Intelligence and Computing” at Narasu’s Sarathy Institute of Technolgy on 04.04.2023 and 06.04.2023.





KNOWLEDGE DISSEMINATION

FACULTY DEVELOPMENT PROGRAMME ATTENDED BY THE FACULTY MEMBERS

- Dr. P. Selvan attended Online FDP on “Recent Trends and Innovations in Electric Vehicle” at Sri Krishna College of Technology, Coimbatore on 30.01.2023 to 03.02.2023.
- Dr. R.Muthukumar attended FDP on “National level Online Faculty Development Program on Outcome Based Education (OBE)” at NPTEL on 18.01.2023 to 25.01.2023.
- Dr.R.Kannan attended on AICTE Recognized FDP on “Power Quality Problems and Solutions” at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh on 30.01.2023 to 03.02.2023
- Dr.L.Anbarasu attended on AICTE Recognized FDP on “Power Quality Problems and Solutions” at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh on 30.01.2023 to 03.02.2023.
- Ms.N.Jothippriya attended Online FDP on “Recent Trends and Innovations in Electric Vehicle” at Sri Krishna College of Technology, Coimbatore on 30.01.2023 to 03.02.2023.
- Ms.G.Rajpriya attended Online FDP on “Recent Trends and Innovations in Electric Vehicle” at Sri Krishna College of Technology, Coimbatore on 30.01.2023 to 03.02.2023.





KNOWLEDGE DISSEMINATION

WORKSHOP / SEMINAR/WEBINAR ATTENDED BY THE FACULTY MEMBERS

- Mr.E.Immanuvelbright attended “IP Awareness / Training Program under National Intellectual Property Awareness Mission” at National Intellectual Property Awareness Mission, on 25.01.2023.
- Mr.S.P.Dwarakesh attended “IP Awareness / Training Program under National Intellectual Property Awareness Mission” at National Intellectual Property Awareness Mission, on 25.01.2023.
- Ms.S.Tamilselvi attended “National Intellectual Property Awareness Mission” at MoE’s Innovation cell on 24.01.2023.
- Mr.S.Vijayanand attended workshop on “Professional Communication And Soft Skills” at Electronics and ICT ACADEMY at PDPM IIITDM Jabalpur on 23.08.2023 to 27.08.2023.





STUDENT ACHIEVEMENTS

- S. Dhivakar, R.Gowtham, A.Hariharan, S.Jansi, K.Jansirani, K.Manojkavin, R.Naveenkumar, N.Navin, A.P.Pavithra, S.Ponmuthuvel, P. Praveenkumar, Ramudgar, S. Shobana, B.Suriya, G.Tamilarasan, G.Dheepankumar, M.Gopinath III-EEE students complete the Programing fundamental using python part_1 course in Students attained Infosys Spring Board Course.
- S. Dhivakar, S. Shobana, G. Tamilarasan III-EEE students complete the Java script course in Students attained Infosys Spring Board Course.
- S.Dhivakar, S.Shobana III-EEE students complete Interactive skill course in Students attained Infosys Spring Board Course
- K. Manojkavin III-EEE students complete Arduino vs Raspberry pi course in Students attained Infosys Spring Board Course.
- K. Manojkavin III-EEE students complete Introduction to Robotic Process Automation course in Students attained Infosys Spring Board Course.
- S.Dhivakar III-EEE students complete Desing Thinking course in Students attained Infosys Spring Board Course.





PLACED STUDENTS



S.NO	STUDENT NAME	COMPANY NAME	INCOME PER ANNUM (LPA)
1	ARUN PRAVIN V S	SEASANA INDUSTRY Pvt Ltd & NCR CORPORATION	1.8
2	GOPINATH P	NCR CORPORATION	2.5
3	JABASTEEN B	NCR CORPORATION	2.5
4	JOTHIKA V	NCR CORPORATION	2.5
5	KARUKUVELSHANKAR G	NCR CORPORATION	2.5
6	KARTHIKEYAN M	NCR CORPORATION	2.5
7	KULANTHAIVELU A	SEASANA INDUSTRY Pvt Ltd & NCR CORPORATION	2.5
8	MANIMALAR M	NCR CORPORATION	2.5
9	MARUTHARAJ G	NCR CORPORATION	2.5
10	MEGANATHAN R	NCR CORPORATION	2.5
11	MOHANLAL K	TECHNOFORTE	3.6
12	MUKESH KANNAN R	NCR CORPORATION	2.5



PLACED STUDENTS



S.NO	STUDENT NAME	COMPANY NAME	INCOME PER ANNUM (LPA)
13	MYTHILI A	NCR CORPORATION	2.5
14	NAVEEN C	NCR CORPORATION	2.5
15	NITHISH KUMAR V	NCR CORPORATION	2.5
16	RAGHUL B	THE TECH DESTINY & ETHNUS (Bangalore)	2.5
17	SABARINATHAN V	NCR CORPORATION	2.5
18	SARANYA S	NCR CORPORATION	2.5
19	SATHEESHKUMAR S	NCR CORPORATION	2.5
20	SELVASUNDARAM D	NCR CORPORATION	2.5
21	VASANTHA KUMAR R P	NCR CORPORATION	2.5
22	DESIKA P	THE TECH DESTINY	2.5
23	SARAN T K	SAKTHI AUTOMOBILES	1.8
24	RAHUL P	NCR CORPORATION	2.5



Thank You

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