

GRID

2023 - 24

EEE NEWS LETTER

SEPTEMBER 2023

Volume: 20

Issue: 1

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Upcoming Event

1. Workshop on 3D Printing.
2. Seminar on Profile Building for Higher Education & Placements.
3. Workshop on PCB Design.

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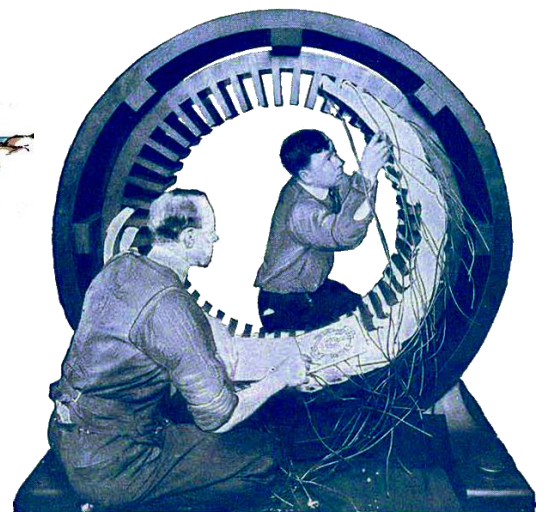
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION OF THE DEPARTMENT

“To provide excellence in technical education of electrical and electronics engineering and produce globally competent engineers for the revolution of industry.”

MISSION OF THE DEPARTMENT

- To Provide good infrastructure and serene environment to our students and faculty members to meet the requirement of electrical and electronics engineering.
- To prepare the students through contextual technical education for their career enrichment.
- To impart knowledge on core engineering fields through projects, workshops and industry interaction.
- To prepare graduates with ethical, social and environmental awareness to demonstrate professionalism in multidisciplinary environment.



**PANIMALAR
ENGINEERING COLLEGE**

An Autonomous Institution

Affiliated to Anna University, Chennai
(JAI SAKTHI EDUCATIONAL TRUST)

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FROM PRINCIPAL's DESK

I am delighted to know that our EEE department newsletter carrying the campus news and the achievements of our staff and students, who earn credits for the institutions, is being released. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

Dr. K. MANI M.E., Ph.D.
Principal, PEC

FROM HOD's DESK

The Department of Electrical and electronics engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

Dr. S. SELVI M.E., Ph.D.
Professor and Head

STAFF PUBLICATIONS

- Dr.S.Selvi, "Detection of Soiling on PV Module using Deep Learning, SSRG International Journal of Electrical and Electronics Engineering & Seventh Sense Research Group 2023.
- Dr.S.Ramaprabha, Optimization of Solar Panel Deployment Using Machine Learning, International Journal of Photoenergy & Hindawi Publisher2023.
- Dr.S.Deepa, "Implementation of deep CNN model for the detection of plant leaf disease, International Journal on Recent and Innovation Trends in Computing and Communication & Auricle Global Society of Education and Research2023

STUDENT ACHIEVEMENTS

- Our Department Students have won the First prize in "KAVACH-2023"- Cyber Security Hackathon

KAVACH 2023-Cyber Security Hackathon organised by Ministry of Home affairs , India



• IV YEAR Students Ashik Thanush R S (EEE), Harshini.R (EEE), Deolin Renisha (EEE), J.Hakini. (EEE), C.Gladwin Prince acti C(EEE), Suraj.R (CSE) won a cash prize of Rs. 1,00,000 KAVACH 2023-Cyber Security Hackathon organised by Ministry of Home affairs , India .

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DEPARTMENT ACTIVITIES



Department of EEE organized a Workshop on “Hands on “Hands-on Image Processing with Teachable Machines and Machine Learning” for IV Year Students on August 2023. The gathering was welcomed by **Dr. S,Deepa, Professor /EEE**. **Mr. S. Mahesh Anand**,Data Science & AI Educator, Green Technologists, Chennai were the speakers of the event to create awareness about Machine Learning among them. During his talk, **Mr. S. Mahesh Anand** also briefed about the process and given solution for more Machine Learning related problems. Around 50 students attended the Workshop and benefited. **Mr.K. Dinesh**, Assistant delivered the vote of thanks.



Department of EEE organized a Workshop” A Step-by-Step Workshop to Build Your First Robot” for IV Year Students on August 2023. The gathering was welcomed by **Dr.N. Manojkumar, Associate Professor /EEE**. **Mr. E. Arun Kumar**,Vice President, RETECH Solutions Pvt Ltd., Chennai,were the speakers of the event to create awareness about Machine Learning among them. During his talk, **Mr. E. Arun Kumar**, also briefed about the process and given solution for more Robot related problems. Around 50 students attended the Workshop and benefited.

Department of EEE organized an Awareness Programme on "Empowering Your Journey: Unveiling the Global Horizons of Higher Education"on July 2023. The gathering was welcomed by **Dr.S.Selvi , Professor & Head /EEE**. **Ms. ManjariRaja**, Trainer, Kanan International Private Limited, Chennai, were the speakers of the event to create awareness about Machine Learning among them. During his talk, **Ms. ManjariRaja** also briefed about the process. Around 254 students attended the Workshop and benefited



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INDUSTRIAL VISIT

Students from 3rd semester EEE along with two faculty of our department were visited, “Schneider Electric” Chennai on September, 2023. The technical staff members taken the students to field and explained the operation of power transformer, circuit breaker, relays and lightning arrester. This visit is very much useful for the students.



Industrial Visit – Schneider, Chennai, III – Year Students (02/09/2023)

CLUB ACTIVITIES



Department of EEE, “GREEN ENERGY CLUB” organized a Technical event on “Paper Presentation September 2023. The gathering was welcomed by Dr.S.Selvi , Professor& Head /EEE. and Dr, N. Manojkumar, Associate Professor, EEE. Students were presented a Paper and Vote of thanks given by Dr. Dharmaprakash,

STAFF ACHIEVEMENTS

- Dr.S. Deepa, received a grant of Rs 60,000 (total of 6 projects, each Rs 10,000) from Niral Thiruvizha organized by Naan Mudhalvan, Tamil Nadu Skill Development Corporation, Government of Tamil Nadu for the academic year 2023-2024

MoU

- MoU signed with “TVS TRAINING AND SERVICES LIMITED Chennai, – 600058.” on 17.05.2023 & 3 YEARS

