



SAKTHI POLYTECHNIC COLLEGE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER



ISSUE No:17

VOL No:02

DEC-25 to MAY-26

DEPARTMENT VISION

➤ To stand out in imparting knowledge and skills in the field of Electrical and Electronics Engineering to transform Young aspirants into eminent Engineers.

DEPARTMENT MISSION

1.To create an environment that facilitates effective learning for the students.

2.To encourage the students to do innovative projects to bridge the curricular gaps.

3.To Provide adequate facilities & opportunities for the students to develop their social and interpersonal skills.

4.To encourage the faculty to attend staff development programs for enhancing their knowledge on the recent developments in the field of Electrical & Electronics Engineering and subsequent dissemination to the students.

EDITORIAL BOARD

- | | |
|-------------------|-------------------|
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| 4. A.Tamilselvan | - III EEE |
| 5. S.Vetrivel | - II EEE |
| 6. K.Sarjan | - I EEE |

ஆசிரியர் உரை

வெற்றி என்பது ஒரே நாளில் கிடைப்பதில்லை; அது தினமும் செய்யும் சிறிய முயற்சிகளின் பலன். தோல்வி வந்தாலும் துவண்டு விடாமல், அதிலிருந்து பாடம் கற்று மீண்டும் முன்னேறுங்கள். உங்கள் திறமையை நம்புங்கள், உங்கள் இலக்கை நோக்கி விடாமுயற்சியுடன் பயணியுங்கள். அறிவு, ஒழுக்கம் மற்றும் கடின உழைப்பு இணைந்தால் எந்த உயரத்தையும் அடைய முடியும். இன்றைய மாணவர்களின் முயற்சியே நாளை இந்தியாவின் முன்னேற்றம். "முயற்சி திருவினையாக்கும்" என்பதை மனதில் கொண்டு, தன்னம்பிக்கையுடன் வெற்றிப் பாதையில் நடைபோடுங்கள்.

"உழைப்பை நம்புங்கள்; வெற்றி உங்களைத் தேடி வரும்!"

ACTIVITIES

During the academic year 2025-2026 we have conducted the following activities.

1. Industrial Visits
2. Parents meeting.
3. Pranik Healing Camp
4. Naan Mudhalvan Programme
5. Co-Curricular Activities
6. Placement
7. Students Activities

1. INDUSTRIAL VISITS

INDUSTRIAL VISIT -1

An industrial visit to Kundah Hydroelectric Power Plant was organized for III-Year Electrical and Electronics Engineering (EEE) students along with faculty members on 31st January 2026. The visit aimed to provide practical exposure to hydroelectric power generation and to bridge the gap between theoretical knowledge and real-time industrial operations



Industrial Visit To Kundah Hydroelectric Power Plant, Ooty

INDUSTRIAL VISIT -2

An industrial visit to Coral Manufacturing Works, Modakurichi, Erode was organized for the II-Year Electrical and Electronics Engineering (EEE) students along with faculty members on 3rd January 2026. The primary objective of the visit was to provide students with practical exposure to the manufacturing of windmill rotors and to bridge the gap between classroom learning and real-time industrial practices.

During the visit, the students observed the complete manufacturing process of windmill rotor components, including raw material preparation, fabrication, machining, quality inspection, and safety procedures followed in the industry. The technical experts at the company explained the importance of precision manufacturing, quality standards, and the role of electrical systems in modern wind energy applications. Students also gained insights into industrial automation, production planning, and maintenance practices adopted in the manufacturing unit.



Industrial Visit To Coral Manufacturing Works, Modakurichi, Erode

INDUSTRIAL VISIT -3

An industrial visit to Seshasayee Paper and Boards Limited (SPB) was organized for the II-Year Electrical and Electronics Engineering (EEE) students along with faculty members on 24 February 2026 (A-Batch) and 26 February 2026 (B-Batch). The visit was arranged with the objective of providing students with practical exposure to the paper manufacturing process and bridging the gap between theoretical concepts and real-time industrial operations.

During the visit, students were introduced to the complete paper production process, starting from raw material preparation, pulping, paper formation, drying, finishing, and quality control. They also observed the operation of electrical drives, motors, transformers, power distribution systems, industrial automation, and process control techniques employed in the manufacturing plant. The industry experts explained the importance of energy management, preventive maintenance, safety practices, and environmental sustainability followed in modern paper industries.



Industrial Visit to Seshasayee Paper And Boards Limited (SPB), Erode

INDUSTRIAL VISIT -4

An industrial visit to Lower Mettur Barrage – Power House IV, Uratchikottai, Bhavani was organized for the III-Year Electrical and Electronics Engineering (EEE) students along with faculty members on 4th March 2026. The visit was conducted with the objective of providing students with practical exposure to hydroelectric power generation and bridging the gap between theoretical concepts and real-time industrial operations.

During the visit, students observed the complete process of hydroelectric power generation, including water intake, turbine operation, generator functioning, and power transmission. The engineers explained the working principles of hydraulic turbines, alternators, transformers, switchgear, and protection systems used in the power station. Students also gained knowledge about plant control systems, maintenance practices, safety measures, and the efficient utilization of renewable energy resources.



Industrial Visit To Lower Mettur Barrage – Power House IV, Uratchikottai, Bhavani

2.PARENTS MEETING

The Parents–Teachers Meet for II and III Year students of the Department of Electrical and Electronics Engineering was conducted on 12th February in the department E6Lab. The meeting began with a warm welcome address by the Head of the Department, who emphasized the importance of parent–teacher collaboration in shaping students’ academic success and professional growth.



Parents–Teachers Meet for II and III Year students

3.PRANIC HEALING CAMP

A Free Pranic Healing Camp was organized by the Department of Electrical and Electronics Engineering (EEE), Sakthi Polytechnic College, on 25.02.2026 at 9:30 AM in the College Auditorium.

The programme commenced with a welcome address by Dr. S. Chitra, HOD (I/C), Department of EEE. The Presidential Address was delivered by Dr. K. R. Muthuswamy, Director, Sakthi Polytechnic College.

Twelve disciples from Gobi and Erode GMCKS Pranic Healing Center conducted the camp. They explained the principles and benefits of Pranic Healing to the students and staff. The healing session was provided free of cost, and participants actively took part in the session. 40 Students and 5 Faculty members benefited from the programme. students shared their feedback and expressed that the session was very useful, informative, and effective in reducing stress and improving their overall well-being.

“The Management, staff, and students of Sakthi Polytechnic College expressed their heartfelt gratitude to the healers for conducting the camp and providing valuable healing services free of cost.”



Pranic Healing Camp for Students

4.NAAN MUDHALVAN PROGRAMME

Under the Naan Mudhalvan Programme, the II Year students of the Department of Electrical and Electronics Engineering successfully completed an 80-hour Advance Skill Certification Course on “E-Vehicle Technology.”

The course provided hands-on training in electric vehicle components, battery management systems, motor controllers, and charging technologies. This certification enhanced students’ technical knowledge and prepared them for emerging opportunities in the electric mobility sector.



Naan Mudhalvan-EV Technology for Second Year Students

5.CO-CURRICULAR ACTIVITIES

Student engagement during the Even Semester spanned competitive technical events, innovative design contests, and specialized training across multiple regional institutions.

- **Major Achievement:** Student **C.M. Jeevahan** secured **Second Prize** in a Paper Presentation at Sankar Polytechnic College. He was highly active, also participating in a Workshop at Nachimuthu Polytechnic College and a Paper Presentation at Nanjiah Lingammal Polytechnic College.
- **Paper Presentations:** A multi-student delegation (including A. Sangavi, A. Saigokul, M. Barvani, S. Sumithra, S. Vetrivel, M. Ravindhar, and A. Mahendran) represented the institution at **KSR Institute of Technology**. A. Sangavi also separately participated in a presentation at **Thiyagarajar Polytechnic College**.
- **Advanced Training:** Student **A. Hariharan** completed a Technical Training Program hosted by **India Space Lab**.
- **EV Technology Contest:** A 6-member team (A. Tamilarasan, M. Ravindhar, B. Vishal, M. Jawahar, A. Hariharan, and S.R. Sabari) entered the EV Technology Contest organized by the **TN Skills Corporation (Naan Mudhalvan)**.

We feel Extremely proud that our II-Year EEE student

- A. Hariharan is currently undergoing a prestigious internship at India Space Lab, New Delhi



Internship Certificate At India Space Lab, New Delhi

6. PLACEMENT

- **Number of Students Admitted:** 40
- **Number of Students Opted for Higher Studies:** 10
- **Number of Students Registered for Placement:** 30
- **Number of Students Placed:** 30 (*Achieving a 100% placement rate for registered students*)
- **Number of Offers Generated:** 110 (*Indicating multiple job offers per student*)

1. Salary Packages

- **Highest Salary Package:** Rs. 21,600 / Month
- **Average Salary Package:** Rs. 18,000 / Month

2. Recruiter Profile & Offer Distribution

The banner showcases a wide array of prominent industrial recruiters for the 2025-26 cycle, along with the specific volume of offers and monthly Cost to Company (CTC) packages:

- **Top Recruiters by Volume of Offers:**
 - **TVS Training & Services:** 14 Offers (CTC: 21,000/Month)
 - **DWSI:** 15 Offers (CTC: 19,300/Month)
 - **LMW:** 10 Offers (CTC: 20,000/Month)
 - **Centum:** 9 Offers (CTC: 18,500/Month)
 - **Pricol:** 8 Offers (CTC: 17,500/Month)
- **Other Notable Corporate Partners:**
 - **Sansera:** 2 Offers (CTC: 21,600/Month — *Highest Package Provider*)
 - **Brakes India Private Limited:** Sholinghur Offers-3 (CTC: 21,100/Month) / Padi Offers-3 (CTC: 21,100/Month)
 - **Wakefit:** 1 Offer (CTC: 20,800/Month)
 - **Dynolt:** 4 Offers (CTC: 20,000/Month)
 - **Rane:** 7 Offers (CTC: 20,500/Month)
 - **BW:** 2 Offers (CTC: 18,000/Month)
 - **Texmo Blank:** 6 Offers (CTC: 17,000/Month)
 - **Hirotec India:** 3 Offers (CTC: 15,000/Month)
 - **Thirumalaa Electrical System, Coimbatore:** 2 Offers (CTC: 16,000/Month)



SAKTHI POLYTECHNIC COLLEGE

SAKTHI NAGAR - 638 315

GOVT.AIDED | APPROVED BY AICTE & AFFILIATED TO DOTE, CHENNAI

NBA ACCREDITED PROGRAMMES - CIVIL, MECH, MET, EEE & ECE

PLACEMENT RECORD - 2025-26



ELECTRICAL AND ELECTRONICS ENGINEERING



ABISHEK A
COMB WDG, TVS FILIP, BRAKES INDIA



ANBARASAN A
LOM, KOCHINRAKER, TVS TS



BHARATHKUMAR S
LMK, ELKIL, JOUTON, SONG WDG



SHARATH RAJ D
LTY, SAKES, HODLAP, SONG WDG, OTHEL



DHAYANANDHU S
SONG WDG, CENTUM, LOM



DHAYANTHI H
PRICOL, TVS TS, TEXMO



DHINESHKARTHIK G
BRIDGESINDIA, BROSSES, SAKSEERA, CENTUM



GORUL M
HINDOTE, ODHINOOD, TACTS



HARINI P
TVS TS, BOTAL, OPHIELA, PRICOL



INDHUJA P
TVS TS, BOTAL, OPHIELA, TEJRE, PHADL



NAVEEN NUMER S
HINDOTE, LOM



NEELAVATHI M
TVS TS, TEANG, PRICOL



RANJITH K
CENTUM, BRAKES INDIA, SONG WDG



SAI GOKUL A
DYWELFA, LAT, SONG WDG



SANJAY U
TVS TS, BOTAL, OPHIELA, BROSSES



SANTHOSH M M
HINDOTE, ELKIL, PRICOL, BROSSES, TEANG, BROSSES, LOM



SARANYA P G
LYNE, HODAL, ENTRELO, TVS TS, TEANG, PRICOL



SARANYANAR T
SANDHON, CENTUM, LOM, TOUNGLORE



SIVA RUMAR C
TOL TS, OPHIELA, CATELO, THANDILALA, ELKIL, LOM



SUNTHARANGORTH H
SONG WDG, TVS TS, IPS



SUDHARSAN M S
BRAKES, HODAL, HODL, CENTUM, APS, DSS



TAMILSELVAN A
BRAKES, INDIA, HAKET, BROSSES, DSS



VIGNESH I
SANDHON, LOM, SHANTHI, COAKS



SWATHY S
BROSSES, INDIA, LOM



BALAJI V
GLOS, BROSSES, INDIA, SONG WDG



GOKULNATH T
BROSSES, INDIA, CENTUM, LOM



MUKUNTHAN G
HINDOTE, PRICOL, SONG WDG, CENTUM



NITHYASRI P
TVS TS, BOTAL, ENTRELO, PRICOL



SANTHOSH H
BROSSES, INDIA, TVS TS, GLOS, BROSSES, CENTUM, LOM



BOOPATHY P
BRAKES, INDIA, TVS TS, GLOS, BROSSES, CENTUM, LOM

HIGHEST SALARY PACKAGE : RS.21,000 / MONTH / AVERAGE SALARY PACKAGE : RS.18,000 / MONTH

NO.OF. STUDENTS ADMITTED	NO.OF STUDENTS OPTED FOR HIGHER STUDY	NO.OF STUDENTS REGISTERED FOR PLACEMENT	NO.OF STUDENTS PLACED	NO.OF OFFERS
40	10	30	30	110

RECRUITERS 2025 - 26



OFFERS : 1- CTC-17000 / MONTH



OFFERS : 1- CTC-17000 / MONTH



OFFERS : 1- CTC-17000 / MONTH



OFFERS : 1- CTC-17000 / MONTH



OFFERS : 1- CTC-17000 / MONTH



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OFFERS : 1- CTC-17000 / MONTH

7. FACULTY ACHIEVEMENTS

Three faculty members actively participated in various training programs, workshops, and AICTE Training and Learning (ATAL) FDPs to upskill in emerging technologies like IoT, Electric Vehicles, and AI.

- **V. Velu:** Attended three programs covering **IoT and Its Applications** (Directorate of Technical Education), **PCB Design Using Multisim** (NITTTR, Chennai), and an ATAL FDP on **Electric Vehicle Design & Optimization** (Shri Mata Vaishno Devi University).
- **M. Yuvarasu:** The most active participant, completing seven distinct FDPs. Key topics included **Next Generation Drives**, **Power Industry 4.0** (GCT, Coimbatore), **Electric Vehicles** (KSRT and Shri Mata Vaishno Devi University), **Healthcare AI/IoMT** (Kongunadu College of Engineering), **Outcome-Based Education**, and **MATLAB for Research**.
- **S. Kasthuri:** Attended the TN Government-sponsored FDP on "**Emerging Techniques in Power Industry 4.0**" at the Government College of Technology, Coimbatore.

8. STUDENT ACTIVITIES



-Artwork by YANISH ROBERT S (II-EEE)

கனவுகள்

கனவு காணும் கண்கள் என்றும்
கலங்காமல் முன்னேறும்.
முயற்சி என்னும் சிறகுகளோடு
முடியாததும் முடியும்.

தோல்வி வந்து தட்டினாலும்
துணியை மட்டும் விடாதே;
வெற்றி வந்து சேரும் நாளில்
உலகமே உன்னைப் பாராட்டுமே.

-Written by Sangavi (III-EEE)

மின்சாரத்தின் மகத்துவம்

ஒளி தரும் உயிராய் நீ,
உலகத்தை இயக்கும் சக்தியாய் நீ;
சக்கரங்கள் சுழலச் செய்து,
சாதனைகள் பல படைக்கிறாய்.

காற்றிலும் சூரியனிலும்
புதிய ஆற்றல் கண்டிடுவோம்;
பசுமை பூமி காக்கவே
புதுமை தொழில்நுட்பம் வளர்த்திடுவோம்.

மின்பொறியாளர் கனவுகளோடு
முன்னேறும் இளம் தலைமுறை;
அறிவும் திறமையும் இணைந்திடும் போது
அனைத்தும் சாத்தியமே!

-Written by Tamilselvan (III-EEE)

SMART GRIDS – THE FUTURE OF ELECTRICAL POWER SYSTEMS

The demand for reliable, efficient, and sustainable electricity is increasing rapidly across the world. To meet these growing energy needs, the traditional power grid is being transformed into a Smart Grid. A smart grid is an advanced electrical power system that uses digital communication, sensors, automation, and intelligent control technologies to monitor and manage the generation, transmission, and distribution of electricity efficiently.

Unlike conventional power grids, smart grids can detect faults automatically, restore power quickly, and optimize the flow of electricity based on real-time demand. They enable two-way communication between electricity providers and consumers, allowing users to monitor their energy consumption and use electricity more efficiently. This helps reduce energy wastage, lower electricity bills, and improve the overall reliability of the power system.

One of the major advantages of smart grids is their ability to integrate renewable energy sources such as solar and wind power. Since renewable energy generation depends on weather conditions, smart grid technologies continuously monitor power generation and balance supply with demand. They also support energy storage systems, ensuring uninterrupted power even during peak demand or power outages.

Smart grids make extensive use of advanced technologies such as smart meters, Supervisory Control and Data Acquisition (SCADA) systems, Internet of Things (IoT) devices, Artificial Intelligence (AI), and cloud-based data analytics. These technologies help utilities predict equipment failures, perform preventive maintenance, and improve the overall efficiency of the electrical network. As a result, power interruptions are minimized, operational costs are reduced, and customer satisfaction is enhanced.

In conclusion, smart grids represent the future of electrical power systems. They provide a cleaner, smarter, and more reliable way of delivering electricity while supporting sustainable development. As the world moves toward digitalization and green energy, smart grid technology will become one of the most important innovations in the field of Electrical Engineering.

-Article by M.Yuvarasu, Lecturer-EEE