

Society of Electrical Engineers

SEE Report 2024-2025

Introduction

The Annual Report of the Society of Electrical Engineers (SEE) presents a comprehensive overview of the activities, achievements, and milestones accomplished during the academic year 2024–2025. It reflects our commitment to academic excellence, research innovation, student development, and community engagement. This report showcases the collective efforts of faculty, students, and staff, and stands as a testament to the vibrant spirit and growth of our society. We continue to move forward with passion, perseverance, and a vision to achieve greater heights.

Events & Activities

- August 19–23, 2024: The Electric Vehicle Training Program was conducted at the Electric Vehicle Lab, covering EV architecture, battery pack design, ADAS basics, and BMS software tools, enhancing participants' practical knowledge.
- September 5, 2024: The Teacher's Day Celebration was organized by the Society of Electrical Engineers (SEE) to honour and appreciate faculty contributions.
- September 12, 2024: The Project Idea Display Event, organized by SEE at the EEE Seminar Hall, showcased innovative student projects emphasizing technical skills, creativity, and teamwork.
- September 18, 2024: The SEE Inauguration was held at the EEE Seminar Hall, marking the 25th anniversary of SEE.
- September 18, 2024: Technical Seminar on Modern Technologies in Substation, A session by Mr. S. Velappan, B.E., Assistant Executive Engineer from the Electricity Distribution Circle, Nagercoil. Drawing from his experience, he discussed digital substations, GIS, SCADA, IoT-based monitoring, and smart protection systems. The interactive session enhanced understanding of reliability, safety, and automation in modern power distribution.
- September 20, 2024: The Industrial Visit to Tuticorin Thermal Power Station provided II-year EEE students with exposure to power generation, protection schemes, and real-time operations, guided by TTPS engineers.

- October 22, 2024: A seminar on resume building and HR interview tips was conducted, and resumes submitted for the Resume Competition were also evaluated by Mr. M. Anto Xavier Roche.
- October 22, 2024: The Resume Competition, organized by SEE at the EEE Seminar Hall for the EEE II, III and final year students
- October 22, 2024: A Hands-on Training on Verilog HDL was also organized by SEE at the Embedded Lab, providing students with practical exposure to hardware description languages crucial in digital system design.
- November 18, 2024: A seminar on "Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs", organized by SEE and the Institution's Innovation Council, educated 99 student participants on patents, copyrights, trademarks, and entrepreneurship.
- November 30, 2024: The Department Alumni Meet, organized by SEE at the EEE Seminar Hall, reunited former students and faculty for a day of reflection and reconnection.
- January 17–27, 2025: All India Tour (IV Year), A 10-day educational tour covering Delhi, the Taj Mahal, Golden Temple, Wagah Border, and Manali gave students cultural exposure and team bonding experiences.
- January 29, 2025: The IET KKLN Technological Seminar Series–I, hosted jointly by IET-SXCCE and SEE, featured engaging sessions with 51 participants at the EEE Seminar Hall.
- February 3–8, 2025: The Electrical Designing and Drafting Training Program was conducted in the EEE Seminar Hall and Simulation Lab, training 74 students in AutoCAD and design practices. The program concluded with assessments and internship opportunities for top performers.
- March 10, 2025: Industrial Visit – TANTRANSCO 765/400kV Substation, Virudhunagar for II and III-year students visited the high-voltage substation to understand grid operations, SCADA systems, transformers, and protective equipment.
- March 21, 2025: National Level Technical Symposium Electrovate'25 – Theme: "Electrifying the Path to Innovation", SEE hosted Electrovate'25, featuring technical and non-technical events, guest talks, and intercollegiate participation from over 10 institutions. Eminent guests from TNEB's Renewable Energy division and alumni shared valuable insights.

- March 21, 2025: Technical Seminar on Renewable Energy, A session by Er. R. Kathiresan, Assistant Engineer – TNGECL/TNEB (Renewable Energy), covered solar, wind, hydro, and biomass energy, with a special emphasis on Tamil Nadu's leadership in wind power. The seminar was attended by 58 participants.
- March 22, 2025: MEP Final Assessment Presentation, organized in collaboration with Unique MEP Pvt Ltd, Chennai, the final project assessment and presentation session was conducted for students who underwent MEP training. Eleven students were selected for internships post evaluation.
- April 16, 2025: Tech Fest 2K25, Co-organized with the Centre for Research and Development, SXCCE, under the theme "AI and Engineering for a Sustainable Future." The event brought together bright minds and innovative ideas through a series of engaging activities including a Project Showcase, Paper Presentation, Poster Presentation, and the Quiz Bowl.
- May 7, 2025: SEE Valedictory 2K25, the annual valedictory celebrated the year's milestones. Highlights included a video-oral annual report presentation, a guest address by Er. J. G. Benny Jackson (Capestart Pvt. Ltd.), awards ceremony, and recognition of placed students with their company names read aloud. Certificates were distributed for MEP and TVS training. The program concluded with a group photo session and a vote of thanks.

Conclusion

All the events conducted this academic year were highly beneficial in helping students improve their talents and technical knowledge. The Society of Electrical Engineers (SEE) extends our sincere gratitude to our Correspondent Rev. Fr. Godwin Selva Justus, Principal Dr. J. Maheswaran, Financial Administrator Rev. Fr. Xavier Raj, Dean of Research Dr. M. Marsaline Beno, Head of the Department Dr. S. V. Kayalvizhi, and Faculty Advisor Dr. A. Darwin Jose Raju for their constant motivation, encouragement, and support.

We thank the Almighty for His grace in making yet another year of SEE a great success.

Mr. Jenin J,
Secretary/SEE,
Final EEE

SEE Report 2023-2024

First of all, let me thank and praise the almighty for this immense blessing throughout this year.

Honorable chief guest, Beloved correspondent, Respected principal, esteemed Dean of Research, Respected Head of department, Faculty members and my dear friends a very good afternoon to all. It is a great privilege, as the student Secretary, I am truly honored to present the annual report for this academic year (2023-2024).

The inauguration ceremony for SEE for the academic year 2023-2024 was held on 22nd September 2023 and the office bearers were assigned for the academic year. The chief guest of the day was Er. B Raj Kumar, Managing director, Agar Electro Plast Manufacturing and Research. He empowered and motivated our students to enrich themselves for this social welfare and the wellbeing in multidisciplinary areas.

Workshops and Seminars:

- On 21st July 2023, a seminar on the topic of “Emerging Research Areas in Renewable Energy Source” was conducted by Dr Binu Jose, Professor, School of Electrical Engineering, Vellore Institute of Technology, Chennai.
- The awareness program on “online courses through NPTEL” was conducted on 4th August 2023 by Dr. J. Annrose, Dean of IQAC, SXCCE.
- A lecture on the Career guidance program was held on 13th September 2023 by Er. S. Kumaresan, wind Tech Technology, Chennai.
- In the topic of “Electrical Engineering in shipping”, a seminar was organized on 26th September 2023 by P. S. Sishmin, ETO, Executive shipping company, Singapore.
- An awareness program on “How to excel in research” was held on 26th September 2023 by Dr M Marsaline Beno, Dr Germin Nisha and Dr M John Bosco of our college.
- A seminar on “Operating procedures on Inverters” was organized on 3rd October 2023 by Er Muruganandan, Testing Engineer, Schnider Electrical Pvt Ltd, Chennai.
- Our alumni meeting were arranged on 26th December.
- The inauguration of TVS training and services was conducted by Mohammed S, Manager TVS training and Services followed by two-day “Faculty Training Program on electrical Vehicle” on 22nd November 2023.
- A two-day “Carrer Guidance program” was held on 22nd January 2024 to 24th January 2024 by Mr. Raganathan, CAD Technology, Chennai.
- On 9th February 2024, a workshop was arranged on “Hands on training on Grid System” by F Antony Jeffry Vaz, Kovilpatti.
- A lecture was conducted under the topic of “Big data Analytics in smart grid” on 12th February 2024.

- An awareness program was conducted regarding “Career development program for software Engineer” by D Amutha, F Karthikeyan CAD technologies on 14th February 2024.
- In the topic of “Immensive Technologies” a session was organized on 14th February 2024 by A Sundar Raman, National head, Scopik Edutech, Chennai.
- A one-week workshop on Electric Vehicle Technology on 20th March 2024 to 25th March 2024 by P. Amarnath, S. R. Executive & R. Anand Executive Trainer, TVS Motor Company.
- A live Webinar was held on 25th March 2024 by Muthukumar, Deputy General Manager power System Operation Corporation Pvt. Ltd., Bangalore

Symposium and other Competition:

- A National Level Technical Symposium “Techtonic” was held on 5th April 2024 to motivate, enrich and develop our fellow students socially to explore their ideas in latest technology and different disciplines. The chief guest of the day was Er. Neelalingam C., Network Architect, Net App India Pvt. Ltd, Bangalore. In that Symposium 50 students have participated from various colleges.
- SEE has organized paper presentation, project demo and quiz in association with college TechFest on 14th March 2024.

Industrial visit and Tour:

Industrial Visit were organized to encourage students with practical and to experience real time application in industries.

- One day industrial visit was arranged for final year EEE students on 10th April 2024 at hydroelectric power plant, Kottaiyar.
- All India Tour was arranged for final year EEE students from 5th January 2024 to 16th January 2024.

All the events conducted were beneficial for the students to improve their talents and knowledge. SEE express our gratitude to our correspondent Rev. Fr. Dr. M. Maria William, Principal Dr. J. Maheswaran, Dean of Research Dr. M. Marsaline Beno and HOD of EEE Dr. S. V. Kayalvizhi for their motivation and support. We thank Lord almighty, that he has made yet another year of SEE a great success.

**Mr. Godwin J P,
Secretary/SEE,
Final EEE.**

SEE Report 2022-2023

“Without continual growth and progress such words as improvement, achievement and success have no meaning.” - Benjamin Franklin

First of all let me thank and praise the God almighty for his immense blessings throughout this year. As a student Treasurer, I am really honoured to present the annual report of SEE for the academic year 2022-2023.

The inauguration ceremony of SEE for the academic year 2022-2023 was held on 02nd September 2022, and the office bearers were assigned for the academic year. The Chief Guest of the day was Er. Manikandan Krishnan, Project lead Engineer, Hitachi Energy, an Industrialist. He has empowered and motivated our students to enrich themselves for the Social welfare and the wellbeing in multidisciplinary areas.

Workshops and Seminars:

1. A Seminar was conducted on 02nd September 2022, on the topic “How to connect career with power systems and High Voltage Engineering” by Er. Manikandan Krishnan.
2. A Seminar was conducted on “Job Opportunities in the core Companies” on 17th September 2022, by Er. Abuthaheer, Sr. Engineer, Unique MEP, to introduce latest technology available for Mechanical, Electrical and Civil Engineering students.
3. A Seminar on “Job oriented skills in Electrical Software” was conducted 17th September 2022, by Er. N. Sowmiya, Technical trainer CADD training institute.
4. A Seminar on “Engineering Energy audit and Energy Conservation” by Er. S. Sivakumar, M.E, External faculty of PCRA, to create awareness and to gain knowledge in energy audit was held on 27th February 2023.
5. A Seminar on “Over Voltage in PowerGrid” was held on 21st April 2023, by Dr.P.Valsalal, professor, Department of EEE, College of Engineering, Guindy Campus, Anna University.
6. A Seminar on “Artificial Intelligence and Machine Learning” was held on 04th May 2023, by Er. G. Gino, Marketing Executive, EMAX Education.
7. A Seminar on “Future Technology in Electric Vehicle” was conducted by Er. Geoffer Jaish on 10th May 2023.
8. A Seminar on “Real Time Applications of Embedded System”, was conducted by Er. Abishek R, Founder of Check In-Tek.
9. A Seminar on “Introduction on Embedded System and Project Guidance” was taken by Er. R. Abishek on 22nd September 2022, to introduce the latest technology used in embedded system and to build project guidance for the students.
10. A Seminar on “Introduction to Industrial Automation and Carrer Options”, by Er.V.G.Manikandan, Manager CADD, held on 24th September 2022, to introduce the latest technologies used in power system Automation and to build Career guidance for the students.

11. A Motivational talk for Students on “ Career Guidance and Entrepreneurship” was given by Er.Angelin Indra , Founder and CEO of Edzoe, on 24th September 2022, followed by a seminar on “Introduction on to Professional Development Skill”, by Er.Ankayar Kanni Rajendran, Software Engineer, FORMCEPT , and next followed by a Seminar on “ Introduction on to PLC/SCADA and Carieer Connect”, conducted by Er.G.R.Ranjith Business Development Executive, to enrich the students’ knowledge and their perspectives in their respective fields.
12. An Awareness Program Regarding “Higher Studies in Abroad”, was conducted by Mr.P.Jeyakumar on 17th May 2023.

Symposium and other Competitions:

1. A National Level Technical Symposium “Tech Wiz’22” was held on 10th November 2022, to motivate, enrich and develop our fellow students, socially to explore their ideas in latest technologies and different discipline. The chief guest of the day was Er.R.Rajiv Subramoniam, Associate Specialist HRBP, Atos GDC Tirunelveli.
2. A Competition for poster presentation was held for IInd EEE Students on 17th September 2022.

Conference and TechFest:

1. SEE has Organised poster presentation, Paper presentation, Project demo and Quiz in Association with College TechFest on 21st April 2023.
2. An International Conference was held on 28th April 2023, and Chief Guest for the day was Associate Professor, Antony Jeffery Vaz, NEC, Kovilpatti. On the Same occasion SEE has organised video presentation, Quiz and Poster Presentation.

Industrial Visit and Tour:

Industrial Visit were Organised to enrich students with practical and to experience real time applications in Industries.

1. An Industrial Visit for IIIrd year EEE students was organised on 27th October 2022 to Thermal Power Plant at North Chennai and Lathe Industry in Chennai.
2. One day Industrial Visit was arranged for 2nd year EEE students on 11th November 2022 at Thermal Power Plant Tuticorin.
3. All India Tour was arranged for final year EEE Students from 30th December 2022 to 07th January 2023.
4. Industrial Visit was arranged on 05th May 2023 to National Institute of Wind Energy, kayathar.
5. A one-day Industrial visit was organised for both 2nd and 3rd year EEE Students on 15th May 2023 to Thenampatti Sub Station.

All the events Conducted were beneficial for the students to improve their talents and knowledge. SEE express our gratitude to our Correspondent Rev.Fr.Dr.M.Maria William,

Principal Dr.J.Maheswaran , Head of the Department Dr.S.V.Kayalvizhi and Dean of Research Dr.M.Marsaline Beno for their motivation and support. We thank Lord Almighty for that He has made another year of SEE a great success.

Thank You!

Mr. M B Mabish,
Secretary/SEE,
Final EEE.

SEE Report 2021-2022

The Society of Electrical Engineers (SEE) was inaugurated on 2nd March 2001 to professionally equip our students with the latest technologies and innovations. The main objective of SEE is to enhance the knowledge of students through various Seminars, Technical talks, Industrial visits, Paper presentations, Workshops and Education forum.

The inauguration ceremony of SEE for the academic year 2021-2022 was held online on 25th September 2021 and the office bearers have been assigned for our association.

Convener	: Dr. A. Darwin Jose Raju
Faculty Advisor	: Dr. M. Germin Nisha
Secretary	: Ms. R. Rich Brindha, IV year EEE
Treasurer	: Mr. K. T Branesh, IV year EEE
Joint secretary	: Ms. R. B. Jeedith Melfhiya, III year EEE
Assistant secretary	: Ms. V. Sairama, II year EEE
Executive members	

Mr. A. Selva Roderick and Ms. D. Sahaya Akshara Jekcy, IV year EEE

Mr. M. Navin Richard and Mr. S. R. Antilin Stanis, III year EEE

Ms. Y. Dalni and Mr. A. V. Sanjeev Mugunthan, II year EEE

A webinar on “Entrepreneurship, Growth and Future” was conducted online on 09/10/2021 by Ms. Angelin Indira Jeevamony, Founder and CEO, Ed-Zoe. All UG students of our department were informed to attend through Google meet. The main theme of this webinar is to bring a very positive effect on student's mind about entrepreneurship. The necessary task that needed to be done assure success was explained. This led a path to focus in their academic accomplishments, to become a successful entrepreneur.

A Workshop on “PCB Design” was conducted in physical mode, on 21/10/2021 by Dr. V. Suresh, Professor/ECE, Mar Ephraem College of Engineering and Technology. & Dr. S. V.

Kayalvizhi, AP/EEE, St.Xavier's Catholic College of Engineering. Final year UG students of EEE attended the program. The main theme of this workshop is to instruct students about Printed Circuit Board (PCB) design which brings the electronic circuits to life in the physical form. Using layout software, the PCB design process was explained hands on in simulation laboratory and further the component placements and routing to define electrical connectivity on a manufactured circuit board were explained practically in project laboratory.

A webinar on "BIM for an Electrical Engineer" was conducted online on 06/11/2021 by Mr. Mohammed Sherfuddin, Chairman, Unique groups; Ms. Tintu Joy, Design Engineer, Unique groups; Ms. Siddiqua, HR, Unique groups. Students, faculty members and industrialists from various organizations attended the program through Google meet. The main theme of this webinar is to bring awareness about Building Information Modeling (BIM) which is a digital representation of physical and functional characteristics of a facility. The webinar also focused on sophisticated tools for electrical trade design and estimation.

SEE organized a one day workshop on eSim for the students of II year EEE department of our college on 20/11/2021, in physical mode. Prof. Dr. Jain B Marshel, AP/EEE, Mr. V. Jesus Bobin AP/EEE, Mr. J. Leon Bosco Raj AP/EEE, Ms. P. Suji Garland AP/EEE, Ms. W. Vinil Dani AP/EEE handled the sessions. In the morning session, the objectives and the fundamentals of eSim software along with process of applying internship to IIT Bombay for various student projects in eSim were explained. In the afternoon session, the circuit simulation process using eSim was explained along with hands on exercises. Students were asked to select a circuit of their own interest and design using eSim. The designed circuits were verified and appreciated.

A Workshop on "Getting started with Arduino" was conducted in our department as a part of our association activities (SEE' 21) in physical mode. Third year EEE students attended the workshop. The main theme of this workshop is to provide an opportunity for participants to enrich their knowledge and skill in Aurdino, thereby developing various solutions for engineering problems in the society. The necessary tasks such as developing program in a computing language to perform a specific task, embedding the program in Aurdino controller and controlling a specific hardware setup using Aurdino controller was explained. This workshop was especially helpful to the students those who were interested in automation.

A webinar on "Artificial Intelligence in Aerospace Applications" was conducted online as a part of our association activities (SEE'21). All UG students of EE were informed to attend through Google meet. The main theme of this webinar is to address participants about the significance of AI in aerospace applications, as the aerospace industry is constantly looking for effective ways to speed up development processes in order to meet the growing demand as well as deliver high-quality components.

The National level technical symposium was conducted by the Society of Electrical Engineers on 27/05/2022. The Symposium was named as FALCONX'22. The theme of the Symposium was Ambition and Courage. The Symposium inauguration started at 9.45a.m in the seminar hall with prayer song. The Head of the Department Dr. S. V. Kayalvizhi welcomed the gathering. SEE Secretary Ms. R. Rich Brindha, Final year EEE read the annual report of SEE. The SEE Faculty advisor Dr. M. Germin Nisha gave a brief note on the theme of the Symposium

FALCONX'22. Former HOD Dr. A Darwin Jose Raju introduced the Chief Guest. The Chief Guest Er. B. Rajasekharan. Assistant Executive Engineer, TNEB - Enoor addressed the gathering about generation, transmission and distribution of power in power stations. Our principal Dr.J.Maheswaran felicitated the gathering. The presidential address was given by our correspondent Rev. Fr. Dr. M. Maria William. Ms. K. Atchayah, Big Data Developer, TCS addressed the gathering about her past experience in college and her experience as Big Data Developer. Winners were honored with various SEE Awards by our Correspondent and Chief Guest. Mr. S.R. Antilin Satnis of III year EEE thanked the gathering. The inauguration ceremony ended with the college anthem.

After the inauguration ceremony, events like Paper Presentation, Poster Presentation, Circuit Debugging, Technical Quiz and Connections were conducted. 98 students from other institutions and our institution have participated in the events conducted. Out of them 54 students presented their technical idea as paper presentation, 33 students have presented their posters, 33 students have participated in circuit debugging, 46 students have participated in Quiz, 23 students have participated in Connections. Around 3.45 p.m. the winners of the events were honored with certificates and trophies. Finally the ceremony ended with national Anthem.

All the events conducted were beneficial for the students to improve their talents and knowledge. SEE express our gratitude to Correspondent Rev. Fr. Dr. M. Maria William, Bursar, Rev. Fr. M. Francis Xavier, Principal Dr. J. Maheswaran, Vice Principal, Dr. M. Marsaline Beno and Head of the Department Dr. S.V. Kayalvizhi for their motivation and Support. We thank Lord Almighty for that he has made yet another year of SEE a great success.

**Ms. R. Rich Brindha,
Secretary/SEE,
Final EEE**