



SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE & Affiliated to DoTE

SANKAR NAGAR – 627 357



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



EEE STUDENT'S ASSOCIATION

REPORT ON INAUGURACIA '25

The Department of Electrical and Electronics Engineering of Sankar Polytechnic College organized **INAUGURACIA '25**, the formal inauguration ceremony of the EEE Students Association (EEESA), on **13th August 2025** at **A.P.J. Abdul Kalam Seminar Hall** from **3.00 p.m. to 4.00 p.m.**

The event was hosted with great enthusiasm by EEE students of Mr.Subhsini and Mr Anushiya , marking the beginning of academic and co-curricular activities for the academic year 2025–2026.

Leadership and Dignitaries

The ceremony was held under the patronage and presence of:

- **Patron:** *Dr. A. Sankara Subramanian*, Principal, SPC
- **Resource Person:** *Thiru. A. Surendiran A, M.E (Rtd)*, Executive Director, Power Grid
- **President:** *Mr. I. Saravanan*, HoD, Department of EEE
- **Vice President:** *Mrs.P.Nagalakshmi Kanna*, Lecturer,EEE
- **Co-ordinator:** *Mrs. S. Priyadharsini*, Lecturer, EEE
- **Secretary:** *Mr.X.Abilash*, III year EEE
- **Joint Secretary :** *Mr.N.Sudalaikannu*, II year EEE
- **Treasure:** *Mr.A.Arul Xavier*, III year EEE

PROGRAMME PROCEEDINGS

The event began at **3.00 p.m.** with **Tamil Thai Vazhthu**, invoking a sense of pride and solemnity. The programme commenced with a warm welcome address by **Selvi. Rajathi**, III Year EEE. She extended heartfelt greetings to all dignitaries, staff, and students and highlighted the purpose of Inauguracia '25. The Secretary of EEESA, **Selvan X. Abilash**, III Year EEE, addressed the gathering, emphasizing the association's vision, upcoming initiatives, and the importance of student participation. **Selvan. P.Sivakumar**, III Year EEE, introduced the chief guest, highlighting his contributions, professional experience, and service in Power Grid. As part of INAUGURACIA '25, a **special inaugural video** showcasing the **objectives, achievements, past events, student projects, club activities, and vision of EEESA** was screened. The formal inauguration of **EEESA – 2025** was declared, marking the official commencement of association activities. The Chief Guest, **Thiru. A. Surendiran M.E (Rtd)**, Executive



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Director, Power Grid, delivered an inspiring address. He spoke about the importance of emerging technologies, the role of electrical engineers in national infrastructure, and encouraged students to stay updated with industry trends. Mr. I. Saravanan, delivered the Facilitated address. He encouraged students to enhance their technical and professional skills and appreciated the proactive initiatives of the department. The Vote of Thanks was proposed by **Sudalaikannu**, II Year EEE, Joint Secretary, EEESA. He expressed gratitude to the dignitaries, faculty members, organizing committee, and students for making the event successful. The programme concluded with the National Anthem.

Inauguration Ceremony organized and Arranged by Mrs. S. Priyadharsini Lecturer/EEE and students of EEESA. We Convey regards for our department Teaching and Non -Teaching Faculty members for their unwavering support of this event.

Key points discussed:

The Chief Guest **Thiru. A. Surendiran A, M.E (Rtd)** delivered a powerful and insightful **technical seminar** titled: **“Emerging Technologies and Career Opportunities in Power Sector”**

- Evolution of power transmission systems in India
- Importance of smart grids and digital substations
- Future scope of renewable energy integration
- Modern protection systems used in high-voltage networks
- Essential skills EEE students must develop
- Opportunities in Power Grid Corporation and other power utilities
- Role of engineers in national infrastructure development

Students actively interacted with the Chief Guest, gaining valuable industry insights and career guidance.

OUTCOME OF THE PROGRAMME

TOTAL NO OF STUDENTS ATTENDED : 120

INAUGURACIA '25 served as a platform to motivate students and officially begin the activities of the EEE Students Association for the academic year. It strengthened student leadership, enhanced teamwork, and inspired students through the experience shared by the distinguished chief guest.

The event was a grand success, thanks to the active involvement of students, dedicated faculty members, and the continuous support of the management.



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Glimpse of the Event:





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Sankar Polytechnic College, Sankar Nagar – 627357

Department of Electrical and Electronics Engineering

EVENT REPORT

Seminar and Workshop on “Electrical CAD & Revit MEP Software Training Program”

Introduction

The Department of Electrical and Electronics Engineering, under the EEE Students Association, organised a Seminar and Workshop on **“Electrical CAD & Revit MEP Software Training Program”** on **28.08.2025 at 11.00 AM** in the **A.P.J. Abdul Kalam Seminar Hall**. The program aimed to enhance students’ technical skills and provide hands-on exposure to industry-relevant software tools used in electrical design and planning.

The **welcome address and introduction** were delivered by **Mrs. S. Priyadharsini, Lecturer/EEE**, and the **vote of thanks** was proposed by **Mr. A. Guna, Lecturer/EEE**.

The **seminar and workshop** were conducted by the resource person **Mr. G. Muthu Krishnan** from **Wings CAD Software Training and Placement**.

Objectives of the Program

- To familiarize students with Electrical CAD and Revit MEP software environments.
- To provide insight into professional electrical layout design practices.
- To introduce industry-standard tools used in electrical system modelling and drafting.
- To improve students’ employability through technical skill enhancement.
- To encourage practical understanding beyond the curriculum.

Program Highlights

- Overview of Electrical CAD interface and essential tools
- Introduction to schematic diagrams, wiring layouts, and panel design
- Basics of Revit MEP for electrical services
- Demonstration of 3D modelling for electrical systems
- Practical examples related to industry projects
- Interactive Q&A session with participants

- Hands-on practice for students on sample design projects

Participation

80 plus Students from III year EEE actively participated. The session was highly interactive, with students engaging in practical exercises and clarifying doubts related to electrical design and modelling.

Outcome of the Program

- Students gained practical knowledge in software tools used by industry professionals.
- Improved understanding of electrical drafting, layout design, and 3D modelling.
- Students became aware of career opportunities in CAD Engineering and MEP Design.
- Enhanced confidence in using professional design tools.
- Certificates are given to the participated students.

Conclusion

The Seminar and Workshop on Electrical CAD & Revit MEP Software Training Program was highly beneficial and well-received by the students. The department plans to conduct similar advanced training programs in the future to strengthen students' technical competencies.

Glimpse of the event:





Thalaiyuthu, Tamil Nadu, India

1106, Near The Sankar Polytechnic College, Kathiravan Nagar, Thalaiyuthu,
Tamil Nadu 627357, India

Lat 8.793228° Long 77.710243°

28/08/2025 11:19 AM GMT +05:30

GPS Map Camera



GPS Map Camera



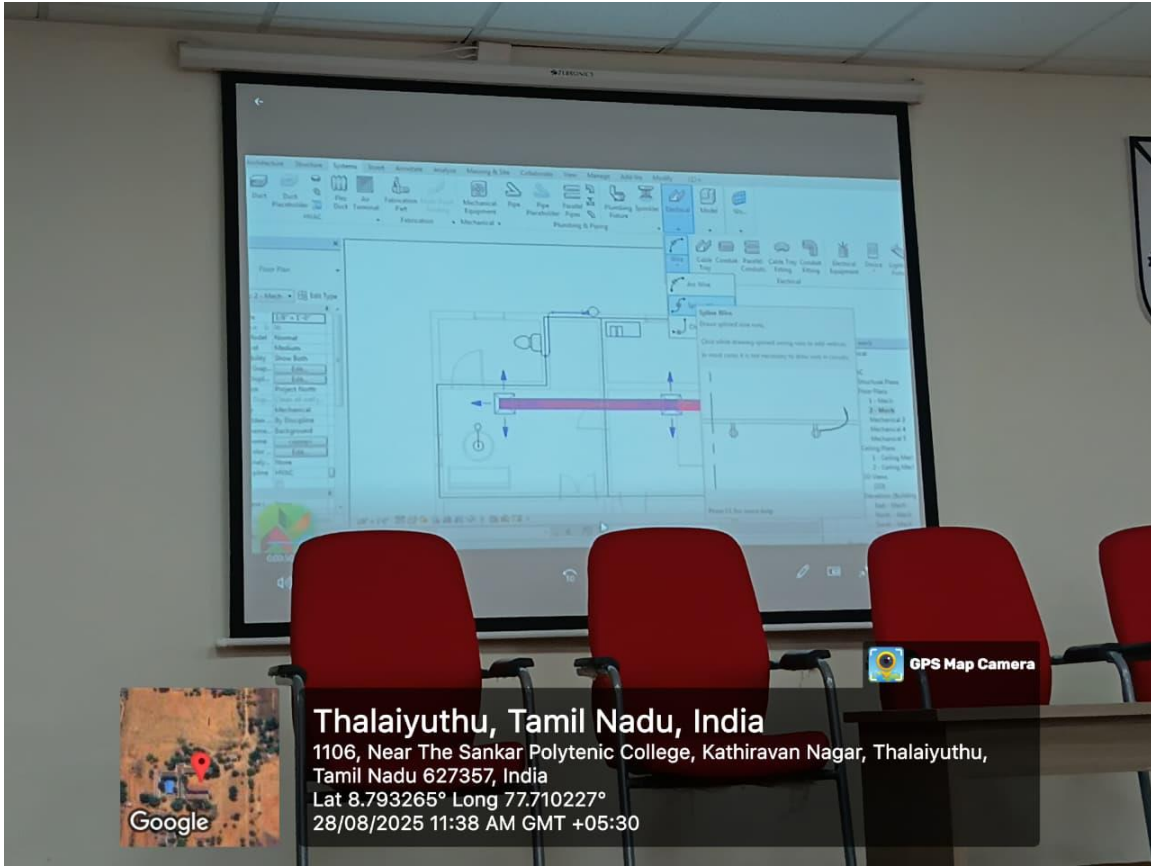
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Thalaiyuthu, Tamil Nadu, India

1106, Near The Sankar Polytechnic College, Kathiravan Nagar, Thalaiyuthu,
Tamil Nadu 627357, India

Lat 8.793252° Long 77.710156°

28/08/2025 11:20 AM GMT +05:30



Thalaiyuthu, Tamil Nadu, India

1106, Near The Sankar Polytechnic College, Kathiravan Nagar, Thalaiyuthu,
Tamil Nadu 627357, India

Lat 8.793265° Long 77.710227°

28/08/2025 11:38 AM GMT +05:30





GPS Map Camera



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Thalaiyuthu, Tamil Nadu, India

1106, Near The Sankar Polytechnic College, Kathiravan Nagar,

Thalaiyuthu, Tamil Nadu 627357, India

Lat 8.793255° Long 77.710275°

28/08/2025 11:33 AM GMT +05:30



CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

P.RAJATHI

For participating in the CAD Design Workshop
held by Wings CAD on 28 August 2025.



199 B12 Prabhu Plaza,
Samathanapuram,
Tirunelveli - 627002



8012018555



WingsCAD
SOFTWARE TRAINING & PLACEMENT



www.wingscad.com

Sankar Polytechnic College, Sankar Nagar – 627357

Department of Electrical and Electronics Engineering

EVENT REPORT

Webinar on “IoT and Its Application”

Introduction

The Department of Electrical and Electronics Engineering organized a webinar titled “IoT and Its Application” on 27/09/2025 from 3:00 PM to 4:30 PM through Google Meet. This program was conducted under the theme “Bridging the Skill Gap in the Global Management Industries.” The webinar aimed at equipping students with knowledge of emerging IoT technologies, smart systems, and real-time applications relevant to modern engineering industries. A total of 86 Third Year EEE students participated in the session.

Objectives of the Program

- To introduce students to IoT architecture and communication technologies.
- To provide awareness on real-time IoT applications across various sectors.
- To explain the role of IoT in autonomous systems, especially autonomous vehicles.
- To bridge the gap between academic learning and industry requirements.
- To motivate students to take up IoT-based projects and research activities.

Resource Person

Mr. J. Ruban Ignatius, M.E.

Assistant Professor (Contract)

Department of EEE,

Government College of Engineering, Bodinayakanur – 625582

Key Topics Covered

- Fundamentals of IoT, IoT layers, and its architecture.
- Sensors, actuators, controllers, and wireless communication modules.
- Overview of cloud platforms used in IoT systems.
- Real-time IoT applications in healthcare, agriculture, smart cities, and industries.
- Detailed discussion on IoT in Autonomous Vehicles

- Sensor fusion (LiDAR, Radar, Ultrasonic Sensors, Cameras)
- Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) communication
- IoT-based decision-making and control systems
- Smart navigation, path planning, and safety mechanisms
- Future trends and career opportunities in IoT and smart systems.
- Interactive Q&A session with students.

Program description:

Mrs. S. Priyadharsini, Lecturer/EEE, successfully coordinated the event and ensured the smooth conduct of the online session. A total of 86 Third Year EEE students actively participated. The webinar was compered by Selvi Rajathi P, and the welcome address and introduction were delivered by Selvan Mohamed Ameen M. The vote of thanks was proposed by Selvan Deepan Prakash M. The webinar received positive feedback, and the students showed great interest in IoT applications and autonomous vehicle technologies.

Outcome of the Program

- Students gained strong fundamental knowledge of IoT systems.
- Improved understanding of communication protocols, cloud connectivity, and applications.
- Awareness about autonomous vehicle IoT integration was significantly enhanced.
- Students became motivated to undertake IoT-based mini-projects and career paths.
- Strengthened readiness for future industry demands and internships.

Conclusion

The webinar on “IoT and Its Application” was highly informative and impactful. Students appreciated the real-time examples and the detailed explanation of autonomous IoT systems. The department plans to conduct more technology-based programs to improve student competency and industry readiness.

Google Meet Link:

<https://meet.google.com/bea-hpge-fqh>

Glimpse of the events:

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Google Accounts https://www.google... Gmail Gmail YouTube Maps

Ruban Ignatius J (Presenting)

IOT DEVICES - EXAMPLES

It includes smart home devices like smart thermostats, smart speakers, and security cameras; wearable technology such as smartwatches and fitness trackers; connected appliances like smart refrigerators and robotic vacuums; industrial sensors used in factories and agriculture; and connected vehicles and medical devices. These devices connect to the internet to send and receive data, allowing for remote monitoring, control, and improved efficiency in various applications.

Smart homes
• Smart door lock
• Smart bulbs
• Smart thermostat

Smart cities
• Water distribution
• Waste management

Energy engagement
• Grid automation
• Wireless grid communication

Wearables
• Smart watches
• Fitness and activity monitor

Home appliances
• Refrigerator
• Coffee maker
• Air conditioner
• Water heater

Agriculture
• Smart farming
• Cattle monitoring and forecasting
• Crop monitoring

Cars
• Automotive cars
• Engine management

Smart manufacturing
• Industrial communication
• Production flow monitoring
• Improve field service scheduling

Transportation
• Traffic management
• IoT enabled easy parking
• Vehicle location monitoring

Health care
• Heart rate and blood pressure monitor

4:09 PM | IOT AND ITS APPLICATION

34°C Mostly sunny

Search

ENG US 16:09 27/09/2025

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Google Accounts https://www.google... Gmail Gmail YouTube Maps

Ruban Ignatius J (Presenting)

SANKAR POLYTECHNIC COLLEGE

(A GOVT AIDED AUTONOMOUS INSTITUTION)
SANKAR NAGAR, TIRUNELVELL

ONLINE WEBINAR

SEPT 27, 2025 @ 3.00PM

IOT & ITS APPLICATIONS

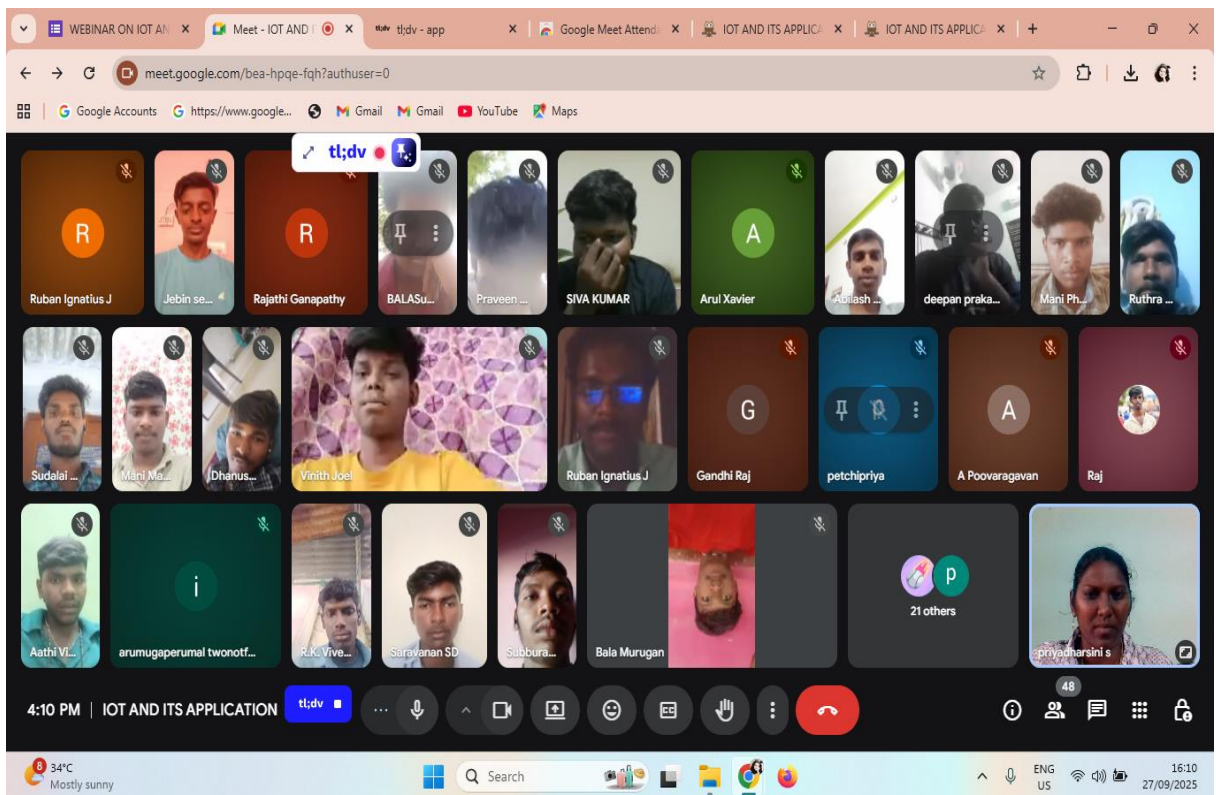
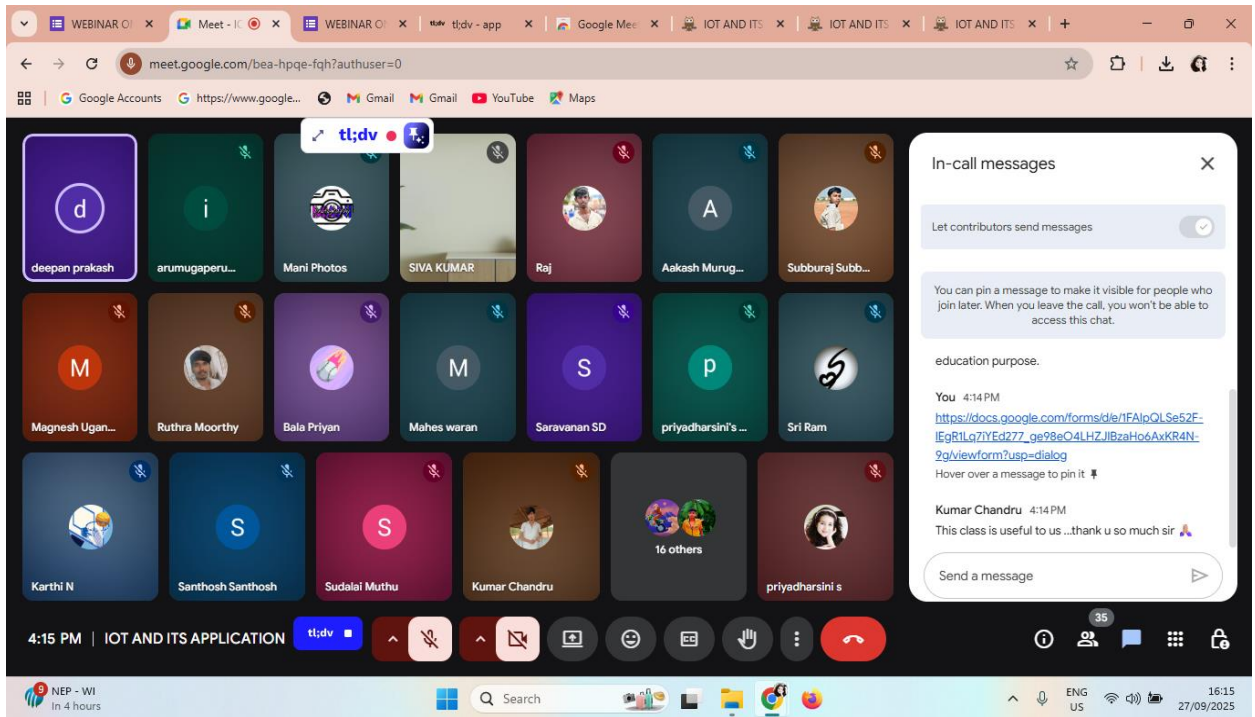
Presented By
Mr. J. RUBAN IGNATIUS M.E.,
Assistant Professor (Contract),
Department of EEE,
Government College of Engineering, Bodinayakanur

4:05 PM | IOT AND ITS APPLICATION

34°C Mostly sunny

Search

ENG US 16:05 27/09/2025



Sankar Polytechnic College, Sankar Nagar – 627357

Department of Electrical and Electronics Engineering

PERSONALITY DEVELOPMENT PROGRAM REPORT

EVENT DETAILS

Aspect	Details
Program Title	Personality Development Program
Organizing Units	EEE Student's Association & Placement Cell
Date	30/09/2025
Time	3:30 PM
Venue	A.P.J. Abdul Kalam Hall
Number of Participants	80 Third Year EEE Students

PROGRAM OVERVIEW

The Department of Electrical and Electronics Engineering, in collaboration with the EEE Student's Association and Placement Cell, organized a comprehensive Personality Development Program for 80 third-year EEE students on 30th September 2025 at the A.P.J. Abdul Kalam Hall. This program was designed to enhance the soft skills, professional etiquette, and personal grooming standards of the students, preparing them for their future career endeavors.

ORGANIZATIONAL STRUCTURE

Administrative Leadership

Position	Name
Patron	Dr. A. Sankara Subramanian (Principal)
Placement Officer	Mr. R. Sundhara Vadivel
Placement Co-ordinator	Mr. A. C. V. Sivasailam
HOD of EEE	Mr. I. Saravanan
EEE Department Co-ordinator	Mrs. S. Priyadharsini

Administrative Officer	Mr. R. V. Srinivasan
Resource Person	Ms. P. Pavithra (Asst. Campaign Manager, P&G Gillette, Tirunelveli)

RESOURCE PERSON

Ms. P. Pavithra, Assistant Campaign Manager at P&G Gillette, Tirunelveli, served as the key resource person for the program. Her professional expertise and industry experience provided invaluable insights into corporate expectations, professional grooming standards, and the role of personality development in career advancement.

PROGRAM SCHEDULE & KEY PARTICIPANTS

Main Agenda

- **Welcome Address** – Selvan P.Sivakumar
- **Program Facilitation** – Compering by Sevi P. Rajathi & P. Subashini
- **Vote of Thanks** – Selvan M Mohamed Suhail

Special Activity

Gillette Razors Distribution: As part of the personality development initiative, grooming kits including Gillette razors were distributed to all participating students, emphasizing the importance of personal hygiene and professional presentation in their academic and professional journey.

PROGRAM OBJECTIVES

The Personality Development Program aimed to achieve the following objectives:

1. Enhance communication and presentation skills
2. Develop professional etiquette and workplace behavior standards
3. Improve personal grooming and hygiene awareness
4. Build confidence and self-esteem among students
5. Prepare students for placement interviews and corporate environments
6. Foster team collaboration and interpersonal skills

PROGRAM HIGHLIGHTS

The session covered comprehensive aspects of personality development, including:

- Professional communication techniques and verbal articulation

- Body language and non-verbal communication
- Personal grooming standards and professional appearance
- Workplace ethics and professional conduct
- Interview preparation and HR interaction skills
- Time management and self-discipline
- Leadership qualities and team management

SPECIAL INITIATIVE: GROOMING KIT DISTRIBUTION

As an integral part of the personality development program, **Gillette razors and grooming kits** were distributed to all 80 participating students. This initiative reinforces the college's commitment to holistic student development, emphasizing that professional grooming is an essential component of personality development and career readiness.

The distribution of quality grooming products serves as a symbolic gesture, reminding students that personal care and presentation are vital aspects of building a professional image in the corporate world.

FEEDBACK & PARTICIPATION

The feedback process was:

- **B. Arumugaperumal** gave the feedback about the resource person.
- **M.Mohammed Ameen** gave the feedback about the program..

Student feedback was collected to assess the effectiveness of the program and gather suggestions for future improvements. The positive response from participants indicated the relevance and value of the personality development initiative.

VOTE OF THANKS

The program concluded with a **Vote of Thanks** delivered by M. **Mohamed Suhail** expressing gratitude to:

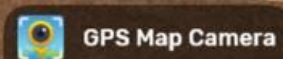
- The college administration and the Principal
- The Department of Electrical and Electronics Engineering
- The EEE Student's Association and Placement Cell
- Ms. P. Pavithra for her expert guidance
- The student coordinators and volunteers
- All participating students for their active engagement

OUTCOMES:

The Personality Development Program successfully achieved its objectives by providing 80 third-year EEE students with practical insights and resources for personal and professional growth. The distribution of Gillette grooming kits reinforced the importance of personal hygiene and professional presentation. The interactive nature of the program, combined with the expertise of the resource person and the active participation of student coordinators, created a meaningful learning experience.

This program reaffirms the Department's commitment to not only imparting technical knowledge but also developing well-rounded professionals equipped with essential soft skills and confidence for their future careers.

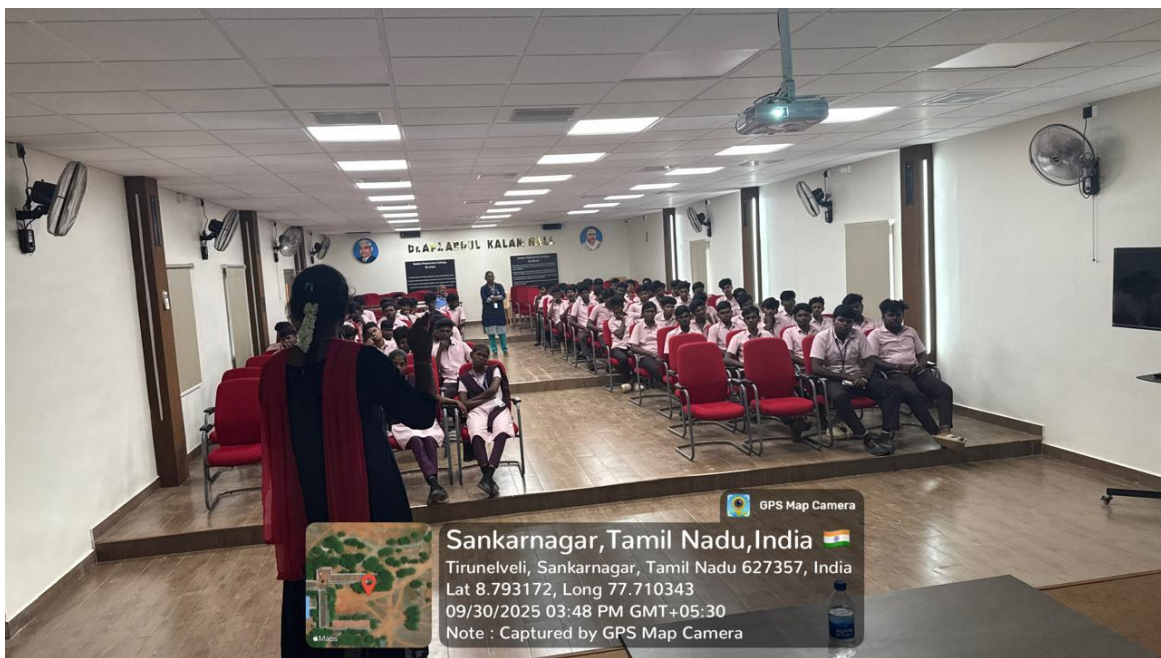
Glimpse of the events:



Sankarnagar, Tamil Nadu, India 

Tirunelveli, Sankarnagar, Tamil Nadu 627357, India

Lat 8.793258, Long 77.710274





GPS Map Camera



Sankarnagar, Tamil Nadu, India 

Tirunelveli, Sankarnagar, Tamil Nadu 627357, India

Lat 8.793229, Long 77.710218





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year: 2025-2026 (Even Semester)

ENTREPRENEURSHIP AND CAREER GUIDANCE PROGRAMME REPORT

Programme Details:

- **Programme Title:** Entrepreneurship and Career Guidance Programme
- **Department:** Electrical and Electronics Engineering Department
- **Date:** 05.01.2026
- **Time:** 3.00 PM
- **Venue:** EEE Computer Laboratory, Sankar Polytechnic College
- **Participants:** 75 Numbers of EEE Third Year Students

Objective of the Programme:

The objective of the programme was to create awareness among students about entrepreneurship opportunities, career development, employability skills, and industry expectations. The programme also aimed to motivate students to improve their communication skills, leadership qualities, technical knowledge, and self-confidence for achieving professional success.

Chief Guest Details:

The programme was delivered by

Prof. Sowjanya Dharma Sankar,
Phone No: 6360949775/8807973950
Principal/JSDC Academy,
Tirunelveli-627007

Report of the Programme:

The Sankar Polytechnic College, Department of Electrical and Electronics Engineering, organized an Entrepreneurship and Career Guidance Programme for the third-year students on 05 January 2026 at 3.00 PM in the EEE Computer Laboratory of the college.

The programme commenced with a warm welcome address delivered by **Mrs. S. Priyadharsini, Entrepreneurship Programme Coordinator and Lecturer / EEE Department**. She welcomed the chief guest, faculty members, and students, and highlighted the importance of entrepreneurship and career guidance for students' future development. 75 EEE students actively participated in the programme with great enthusiasm and interest.

The chief guest addressed the students on various career opportunities, entrepreneurship development, employability skills, interview preparation, communication skills, resume preparation, and workplace expectations. Special emphasis was given to higher education opportunities and the importance of preparing for competitive examinations such as Graduate Aptitude Test in Engineering (GATE) for pursuing higher studies and career advancement.

The resource person motivated the students to enhance their technical competencies and soft skills to meet industrial requirements. The session also emphasized leadership qualities, innovation, self-employment opportunities, and professional ethics. Students were informed about local employability opportunities and guided on the registration process in employment and job seeker portals such as the EPIC registration portal for improving their access to job opportunities and career support services.

The speaker also shared ideas regarding entrepreneurship initiatives, startup opportunities, and self-employment schemes that can help students become independent professionals and future entrepreneurs. Guidance was provided on job-seeking strategies, skill development programmes, and enrollment procedures for employability enhancement activities.

The programme was highly interactive, and students actively clarified their doubts regarding career growth, higher studies, entrepreneurship opportunities, GATE preparation, and employment registration procedures. The session was highly informative and beneficial for the participants.

Outcome of the Programme:

- Students gained awareness about entrepreneurship and career opportunities.
- Students understood the importance of employability skills and industry expectations.
- The programme improved students' confidence in attending interviews and placement activities.
- Students were motivated to develop leadership qualities, communication skills, and innovative thinking.
- Awareness regarding self-employment and entrepreneurship opportunities was created among the students.
- Students gained information about Graduate Aptitude Test in Engineering (GATE) and higher education opportunities.
- Students understood the importance of registering in local employability and job seeker portals such as EPIC.
- Students received guidance on career planning, startup ideas, and self-employment initiatives.
- Awareness about enrollment procedures for employability enhancement programmes and job opportunities was created among the students.

The programme concluded with a vote of thanks delivered by **Mr. Arun Mutharsu, Lecturer / EEE Department**, who expressed gratitude to the chief guest, management, faculty members, and students for making the programme successful.

Programme coordinator

HoD/EEE

Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic Year: 2025-2026 (Even Semester)

ENTREPRENEURSHIP AND CAREER GUIDANCE PROGRAMME on 05/01/2026

GLIMPSES OF THE EVENT



Tirunelveli, Tamil Nadu, India
Qpv6+33r, Sankarnagar, Tirunelveli, Tamil Nadu 627357, India
Lat 8.79319° Long 77.709997°
Monday, 05/01/2026 03:49 PM GMT +05:30



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING EEE STUDENT'S ASSOCIATION



WEBINAR ON WIRELESS CHARGING OF EV

Introduction

The Department of Electrical and Electronics Engineering (EEE) of Sankar Polytechnic College organized an online webinar on “Wireless Charging of EV” under the banner of EEESA. The webinar was conducted to enhance students’ knowledge about emerging technologies in electric vehicles and wireless power transfer systems.

The program witnessed active participation from students and faculty members. More than 70 students from III Year EEE attended the webinar enthusiastically and benefited from the technical session.

Webinar Details

- Topic: Wireless Charging of EV
- Date: 23.01.2026
- Time: 11:00 A.M.
- Venue: EEE Computer Lab
- Organized by: Department of Electrical and Electronics Engineering (EEE)

Resource Person

The session was handled by **Mrs. K. Shanthi, Research Scholar from SRM Institute of Science and Technology**. She delivered an informative presentation on wireless charging technologies for electric vehicles and explained the future scope of EV infrastructure.

Welcome and Introduction

The program started with a warm welcome to the gathering. The introduction of the resource person was given by **Ms. Anushya, II Year EEE**, who highlighted the academic and research achievements of the speaker.

Patron and Organizing Team

- Patron: **Dr. A. Sankara Subramanian**, Principal, SPC
- President: **Mr. I. Saravanan**, HOD, Department of EEE
- Coordinator: **Mrs. S. Priyadharsini**, Lecturer, Department of EEE

The event arrangements and technical support were efficiently managed by **Mr. Abilash, Secretary, III Year EEE**. The entire program was successfully monitored and guided by the **Program Coordinator**.



Highlights of the Webinar

The resource person explained:

- Fundamentals of Electric Vehicles (EVs)
- Importance of wireless charging systems
- Working principle of inductive charging
- Merits and challenges of wireless charging
- Future developments in EV technology
- Safety and efficiency considerations

Students actively interacted with the speaker and clarified their doubts regarding wireless charging applications and advancements in EV technology.

Feedback Session

At the end of the webinar, feedback about the session was shared by **Mr. Mohammadu Suhail, III Year EEE** and **Mr. Suburaj, III Year EEE**. They appreciated the informative presentation and expressed that the webinar helped students gain knowledge about modern EV charging technologies and future innovations in the automobile sector.

Vote of Thanks

The session concluded with a heartfelt vote of thanks delivered by **Ms. Muthulakshmi, II Year EEE**, who expressed gratitude to the management, resource person, faculty members, coordinators, and students for their support and participation in making the webinar successful.

Outcome of the Webinar

The webinar provided valuable technical knowledge to students regarding wireless EV charging systems and sustainable transportation technologies. It motivated students to explore innovative ideas and research opportunities in the field of electrical and electronics engineering.

Conclusion

The webinar on “Wireless Charging of EV” was successfully organized by the Department of EEE, Sankar Polytechnic College. The session was highly informative and beneficial for students, creating awareness about advanced EV technologies and their future applications.

Program Co-Ordinator

HoD/EEE

Principal



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SANKAR NAGAR – 627 357



WEBNIAR ON WIRELESS CHARGING OF EV”

GLIMPSE OF THE EVENT:

Shanthi Krishnan (Presenting)

Why Electric Vehicle Needed?

- ▶ Conventional vehicles emit CO_2 , NO_x , and particulate matter, causing: Air pollution, Climate change, Health problems.
- ▶ Petrol and diesel are **finite resources**. Increasing demand leads to: Higher fuel prices & Energy insecurity.
- ▶ Internal Combustion Engine (ICE) vehicles : Efficiency $\approx 25\text{--}30\%$ Electric vehicles : Efficiency $\approx 85\text{--}90\%$
- ▶ EVs have : **Fewer moving parts**, No oil changes, clutch, or exhaust systems.
- ▶ **Incentives** : Subsidies, Tax benefits, Free parking / toll exemptions
- ▶ Technological Advancements: Introduction of Fast charging, Wireless charging and Smart grid integration
- ▶ Integration with **Renewable Energy**

Selvin Meshak

11:55 AM | cny-yjlg-ykq

People

Add people

Contributors 61

priyadharsini s (You) Meeting host

A Aathi Vishnu

A Abilash 2007

A Anangan

A Annalakshmi

A Anushiya Raja

A Arul Xavier

A Arun Thanish

57 others

Shanthi Krishnan (Presenting)

Fundamental operation of Inductive EV charging

Zoom in

12:08 PM | cny-yjlg-ykq

People

Add people

Contributors 51

priyadharsini s (You) Meeting host

A Aathi Vishnu

A Abilash 2007

A Anangan

A Annalakshmi

A Anushiya Raja

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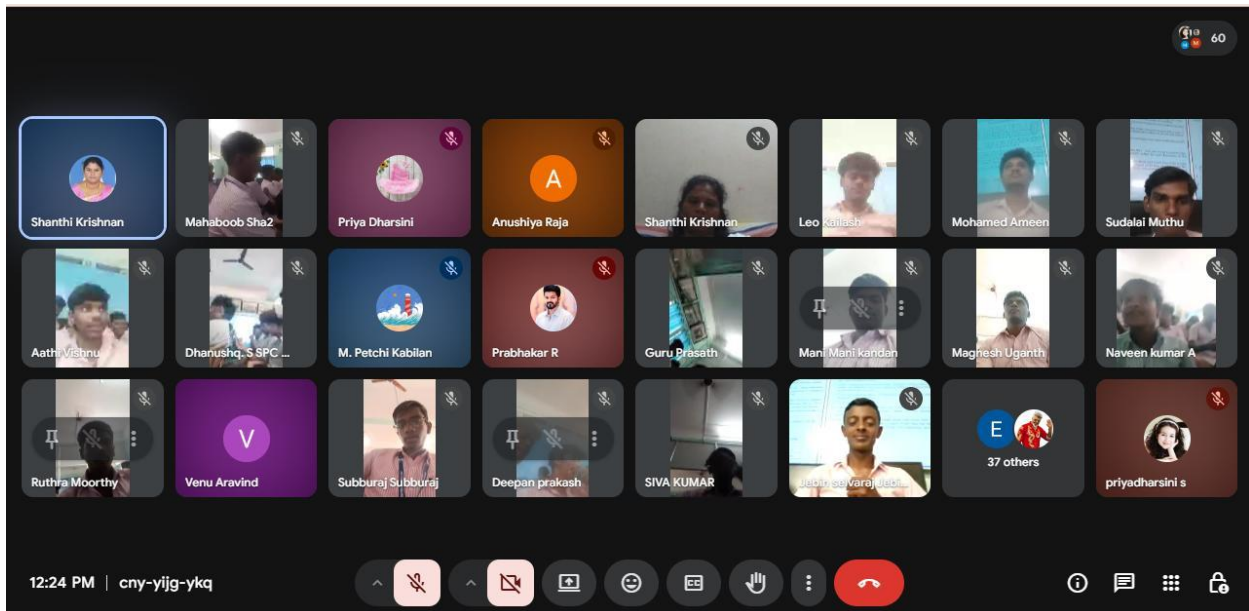
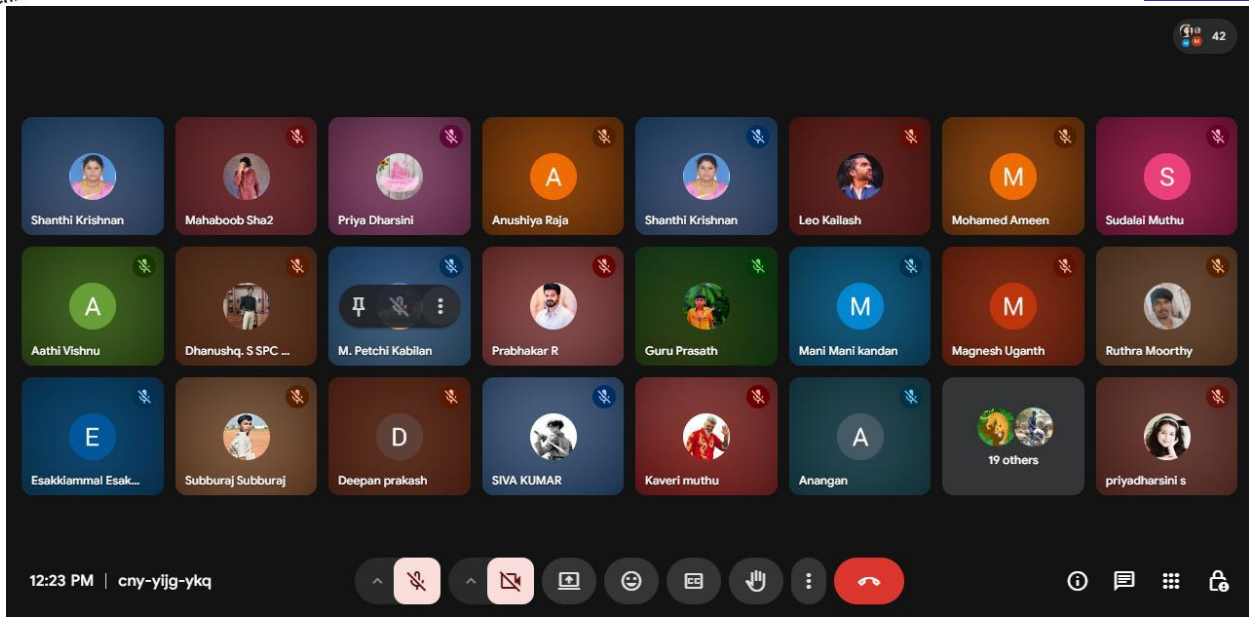
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



EEE STUDENT'S ASSOCIATION

REPORT ON NATIONAL ENERGY CONSERVATION DAY – DECEMBER 2025

Institution: Sankar Polytechnic College (Autonomous)

Department: Electrical and Electronics Engineering

Event Title: National Energy Conservation Day

Dates Conducted: Various dates in December 2025

1. INTRODUCTION

The Department of Electrical and Electronics Engineering of Sankar Polytechnic College organized a series of student-cantered events under the theme “**Energy Conservation**” during December 2025. These events were conducted to create awareness about energy conservation, electrical safety, and sustainable engineering practices while providing a platform for students to showcase their creative, technical, and communication skills.

2. OBJECTIVES

- To promote awareness on energy conservation and electrical safety.
- To encourage students to express innovative ideas through drawing, slogans, and technical papers.
- To assess students' technical knowledge through quizzes.
- To enhance creativity, communication, and analytical skills among students.
- To motivate students toward sustainable energy practices and responsible energy usage.

3. Events Conducted

1. Drawing Competition

Students creatively illustrated concepts related to energy conservation, renewable energy, and electrical safety through artwork and posters.

Participation: More than 10 students participated enthusiastically in the competition.



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2. Slogan Writing Competition

Students created meaningful and impactful slogans emphasizing smart energy usage and conservation methods.

Participation: More than 12 students actively participated in the event.

3. Paper Presentation

Students presented innovative technical ideas, case studies, and research concepts related to energy conservation and sustainable electrical engineering practices.

Participation:

- Total Teams: 12
- Members per Team: 2
- Total Participants: 24 Students

4. Technical Quiz

A technical quiz competition was conducted to evaluate students' knowledge in electrical engineering, energy conservation, renewable energy systems, and electrical safety practices. The quiz event was coordinated by **Ms. S. Priyadharsini, Lecturer/EEE** in the presence of students and faculty members.

Participation:

- More than 20 teams participated
- Each team consisted of 2 members

4. Student Participation

A large number of students from the Department of Electrical and Electronics Engineering actively participated in all the events and showcased their technical knowledge, creativity, communication ability, and innovative thinking. The enthusiastic involvement of students made the program highly successful.

5. Jury and Evaluation Details

Paper Presentation Jury Members

1. Mr. Arun Mutharasu
2. Mr. Ayyapaselvam
3. Ms. Subbulakshmi
4. Ms. Kanagavalli



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Drawing and Slogan Writing Evaluation Members

1. Ms. Subbulakshmi
2. Ms. Jeyaranjitham
3. Mr. Ayyapaselvam

6. Outcomes

- Students gained awareness of energy conservation techniques and electrical safety practices.
- Improved problem-solving and analytical skills through paper presentations and quizzes.
- Enhanced communication and presentation skills among students.
- Encouraged creativity and innovation through drawing and slogan competitions.
- Promoted teamwork and healthy competitive spirit among participants.
- Strengthened understanding of sustainable engineering and renewable energy practices.
- Motivated students to adopt energy-efficient methods in day-to-day life.

7. Conclusion

The Energy Conservation events conducted during December 2025 were highly successful in achieving their intended objectives. Students actively participated in both creative and technical competitions and demonstrated their talents effectively. The events created awareness about sustainable energy practices and contributed significantly to the overall personality, technical, and professional development of students in the Department of Electrical and Electronics Engineering.

Program coordinator

HoD/EEE

Principal



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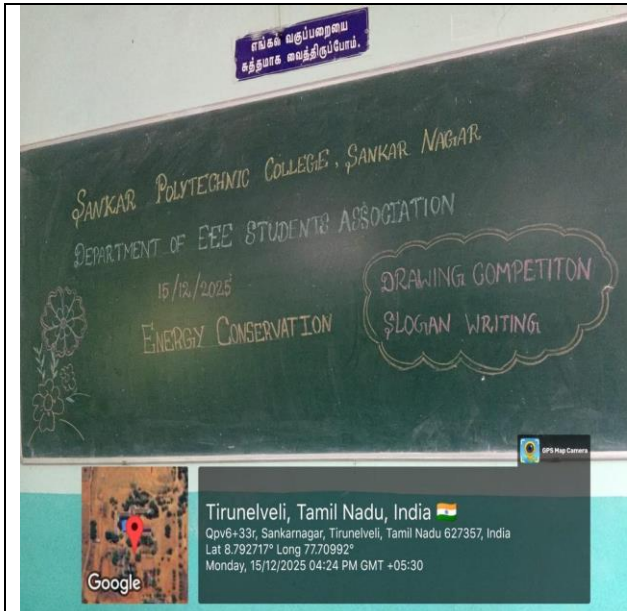
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NATIONAL ENERGY CONSERVATION DAY

GLIMPSE OF THE EVENT: 1) DRAWING COMPETITION





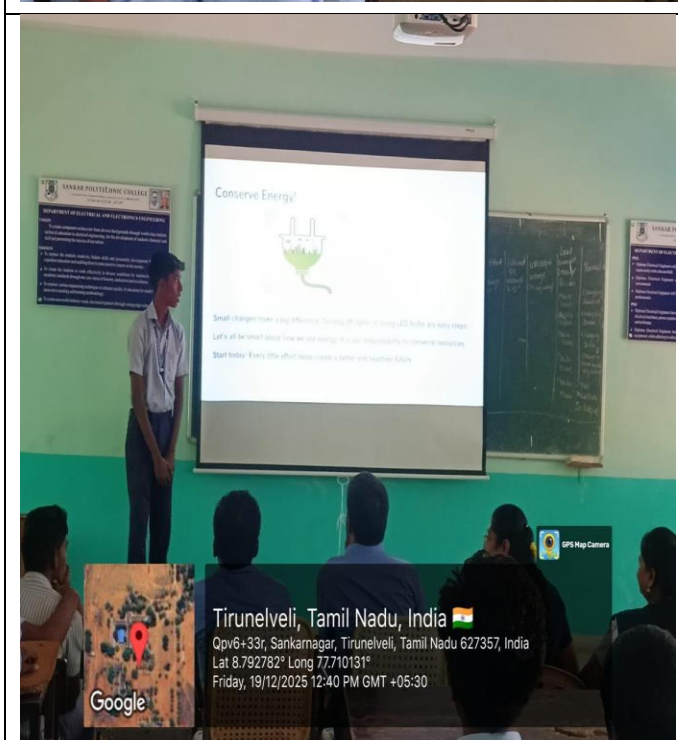
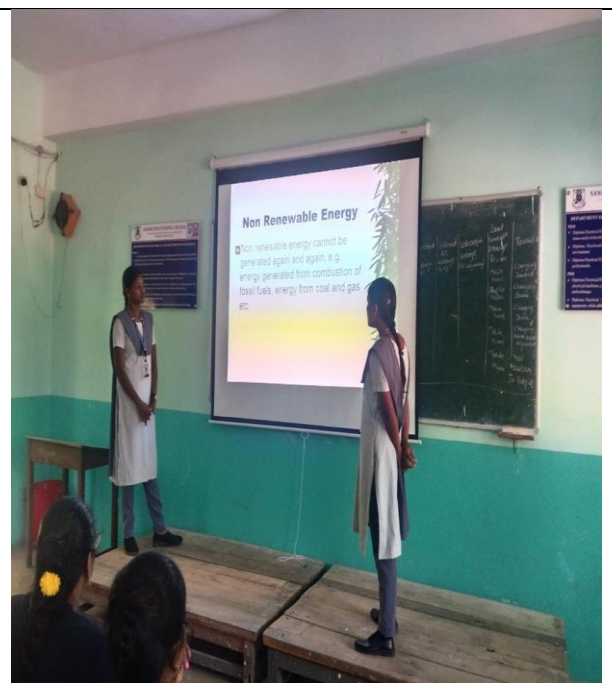
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2) PAPER PRESENTATION





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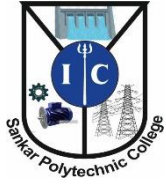


3) SLOGAN CONTEST



4) QUIZ CONTEST





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Report on Project Expo Event – Engineers Week 2026

Institution: Sankar Polytechnic College

Department: Electrical and Electronics Engineering

Event Title: Project Expo – Engineers Week Celebration

Date: 13.02.2026

1. Introduction

The Department of Electrical and Electronics Engineering organized a Project Expo Event on 13 February 2026 as part of the Engineers Week Celebration. The event was conducted to encourage students to exhibit their innovative ideas, technical talents, and practical engineering skills in emerging areas of electrical and electronics engineering.

The program provided students with an opportunity to demonstrate working models, technical concepts, and troubleshooting abilities related to modern engineering applications and sustainable technologies.

2. Objectives

- To encourage students to develop innovative engineering projects.
- To enhance practical and technical knowledge among students.
- To promote awareness about modern technologies and renewable energy systems.
- To improve troubleshooting and analytical skills through circuit debugging activities.
- To develop teamwork, communication, and presentation skills.
- To motivate students towards innovation, research, and entrepreneurship.

3. Themes of the Project Expo

The following themes were selected for the Project Expo:

1. IoT and its Applications
2. Green and Renewable Energy
3. DIY Energy Harvesting

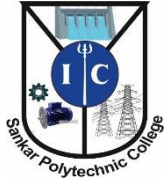
Students presented innovative ideas and working models based on these themes.

4. Events Conducted

1. Project Expo

Students presented innovative projects related to IoT applications, renewable energy systems, automation, and energy-efficient technologies.

Guidelines: Maximum 5 members per team



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5. Student Participation

Students from various years of the Electrical and Electronics Engineering Department actively participated in the event with great enthusiasm and technical involvement.

Participation Details

- Total Number of Student Teams Participated: 27 Teams
- Students actively showcased innovative ideas, technical creativity, and practical implementation skills in both Project Expo event.

6. Visit by Management, Principal and other department's

The event was further strengthened by the visit of **Mr. K. Sankar, Correspondent**, and **Dr. A. Sankara Subramanian, Principal**, who visited the **Project Expo venue** and interacted with the students. They appreciated the students' innovative ideas, technical presentations, and working models. Their encouragement and valuable suggestions motivated the students to actively participate and enhance their technical and creative abilities.

Students from the **ECE** and **CSE** departments also visited the Project Expo and showed great interest in the innovative projects displayed by the participants. The inter-departmental interaction created a healthy learning environment and encouraged the exchange of technical ideas and knowledge among the students.

7. Judges and Evaluation Committee

The projects and competitions were evaluated by the following faculty members:

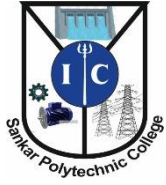
1. Mrs. Vimala V
2. Mrs. Nagalakshmi Kanna P
3. Mr. Guna A
4. Mr. Rajkumar C

8. Event Coordination

- Patron- Dr. A. Sankara Subramanian – Principal, SPC
- Administrative Officer- Mr. R. V. Srinivasan, SPC
- Convenor-Mr. I. Saravanan – HoD/EEE, SPC
- Program Coordinator-Mrs. S. Priyadharsini – Lecturer/EEE/SPC

9. Outcomes

- Students gained practical exposure in project design and implementation.
- Improved technical knowledge in IoT, renewable energy, and energy harvesting systems.
- Enhanced troubleshooting and analytical skills through circuit debugging activities.
- Encouraged innovation, creativity, and teamwork among students.



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- Improved communication and presentation skills.
- Motivated students towards research-oriented and industry-relevant projects.
- Strengthened awareness about sustainable and energy-efficient technologies.

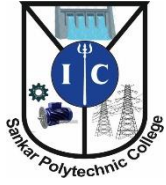
10. Conclusion

The Project Expo event conducted during Engineers Week 2026 was highly successful and beneficial to students. The event provided a valuable platform for students to demonstrate their technical knowledge, innovative thinking, and practical engineering skills. The active participation of 27 student teams reflected the enthusiasm and technical competence of the students. The visit and encouragement by the Correspondent and Principal further motivated the students and added value to the program. The event contributed significantly to the academic and professional development of students in the Department of Electrical and Electronics Engineering.

Program Co-Ordinator

HoD/EEE

Principal



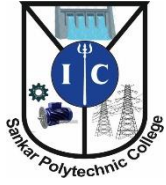
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Report on Project Expo Event – Engineers Week 2026

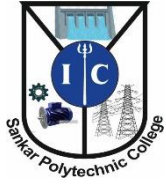
GLIMPSE OF THE EVENT:





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