We Make You Shine

St. JOSEPH'S INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, CHENNAI - 119

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

THE CIRCUIT CHRONICLE

NEWSLETTER

MARCH - 2025

TO KNOW MORE ABOUT THE DEPARTMENT ACTIVITIES PLEASE VISIT

https://stjosephstechnology.ac.in/web/eee/

MESSAGES

Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.
Chairman

It gives me immense pleasure to commend the staff and the students of the Department of Electrical and Electronics Engineering for this excellent Newsletter. This Newsletter maps the merits and milestones accomplished by the department. I sincerely hope that the efforts put in by the students and the staffs help them in all their future endeavors.

Mrs. S. Jessie Priya M.Com.
Executive Director

This Newsletter is testament to the academic excellence of the college which in myriad ways is ingrained in our culture. It gives me great pleasure to see the exceptional potential of the students of the Department of Electrical and Electronics Engineering, in various extra-curricular activities as well as in academics. I congratulate the staff and the students on bringing out this wonderful Newsletter.

Mr. B. Shashi Sekar M.Sc.
Managing Director

I am very happy that our institution has shown a marvelous presentation of the activities through the Newsletter. I congratulate the staff and students for their excellent effort. Today, as we march towards a technological world, we aspire to open new vistas in the field of education for our students and this Newsletter helps us in our efforts.

Dr. S. Arivazhagan M.E., Ph.D.
Principal

I take this opportunity to laud the efforts of all those who were involved in the making of this Newsletter from the Department of Electrical and Electronics Engineering, St. Joseph's Institute of Technology. I would also like to appreciate the relentless efforts of our teachers for giving their best in bringing out the best in each student helping them achieve their goals.

Dr. G. Sreekumar M.Tech., Ph.D.
Dean Academics

It is inspiring to see the Department of Electrical and Electronics Engineering reach new heights through the efforts documented in this Newsletter. This publication not only reflects the department's commitment to academic and technical excellence but also its focus on nurturing well-rounded individuals. Congratulations to everyone who contributed to this outstanding achievement, paving the way for even greater successes ahead.

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VISION

To become a well renowned department in the field of Electrical and Electronics Engineering by imparting quality education and inculcating ethical values among students to serve the global society.

MISSION

The department strives

M1: To provide strong fundamental knowledge through effective teaching- learning process to make the students competent in the field of Electrical and Electronics Engineering

M2: To enable students with intellectual resources to conduct innovative research in order to meet the challenges faced by the industries and mankind

M3: To promote the skills on emerging technologies through industry-interactions to attain sustained placements and other career opportunities

M4: To inculcate ethically bound professional standards, skills of leadership and management for a successful career.

PROGRAM EDUCATIONAL OBJECTIVES

1. To provide foundation in their fields such as circuit theory, Field theory, control theory and computational platforms.
2. To enhance the designing skills for the evolution of new technology in the Electrical and Electronics domain.
3. To equip the students to work in interdisciplinary groups for enhancing professional skills.
4. To motivate and prepare the students for a successful career in the industry or higher education.
5. To create awareness for lifelong learning and inculcate professional ethics.

PROGRAM SPECIFIC OUTCOMES

1. Our graduates will be able to understand the basic concepts related to engineering and technology with enhanced problem solving skills.

2. Our graduates, with high proficiency in Electrical and Electronics Engineering will be able to exhibit technical knowledge in industrial and entrepreneurial focus.

3. Our graduates can translate the effects of professional values and ethics in accordance with Electrical and Electronics Engineering domain, to create sustained environment for social growth

PLACEMENT DETAILS

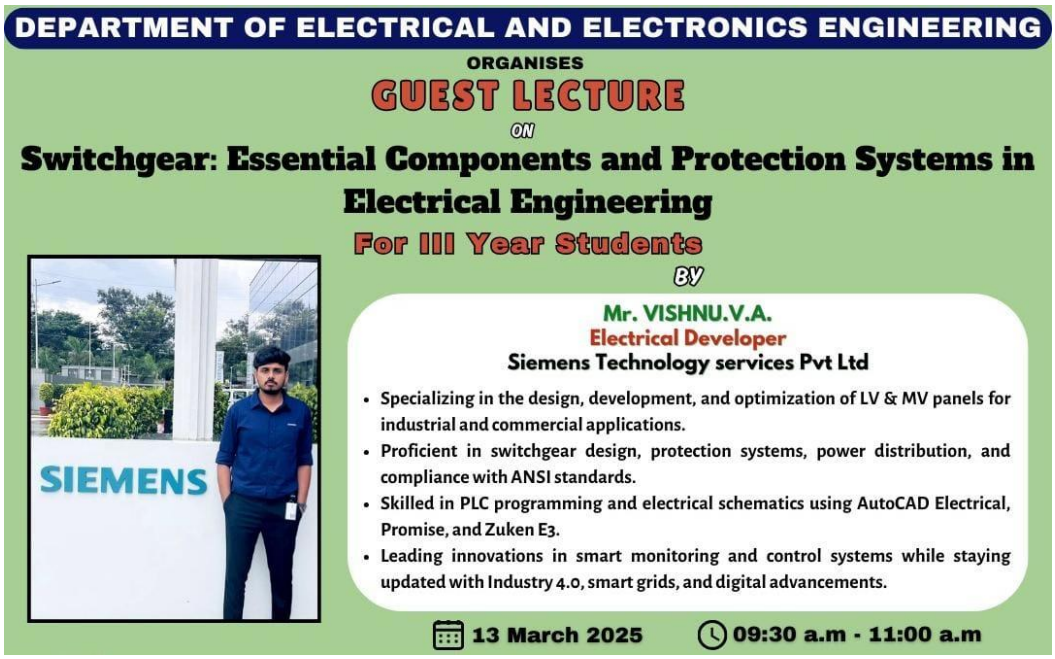
The Department of Electrical and Electronics Engineering congratulates students on their placements! Your dedication and hard work have paid off. We thank the placement teams, mentors, and industry partners for their support. Wishing you success in your careers. Congratulations!

S. No.	NAME OF THE STUDENT	NAME OF THE COMPANIES PLACED
1.	AISHWARYA P	• HEXAWARE TECHNOLOGIES • INFOSYS • COGNIZANT
2.	AMALA GRACEWIN S	• NUMAX ENERGY SOLUTION
3.	ARUN A	• NUMAX ENERGY SOLUTION
4.	ASWIN N	• NUMAX ENERGY SOLUTION
5.	AZIM AHAMED	• MU SIGMA
6.	DHARUN ANAND S	• BNP PARI BAS
7.	DHEVIN ANANDA RAJ A S	• MAGNETIC AND CONTROLS
8.	DIVAKAR S	• NUMAX ENERGY SOLUTION
9.	GAYATHRI P	• MU SIGMA • ACCENTURE • RENAULT NISSAN • LTI-MINDTREE
10.	HARSHA G	• INFOSYS
11.	JAYAVANTHI B	• ELMEASURE INDIA Pvt Ltd
12.	JEEVA MURUGAN A	• MITSOGIO • LTI-Mindtree
13.	KARTHICK S	• INFOSYS
14.	LOGESH K	• ELMEASURE INDIA Pvt Ltd
15.	MUKESH S	• ELMEASURE INDIA Pvt Ltd

S. No.	NAME OF THE STUDENT	NAME OF THE COMPANIES PLACED
16.	MUKILAN S	• NUMAX ENERGY SOLUTION
17.	MUTHU SELAM S	• MAGNETIC AND CONTROL
18.	NARMADHA K	• INFOSYS
19.	RAJA VIKARAMA ASWIN K R S	• INFOSYS
20.	RAJ KUMAR K	• INFOSYS
21.	SAIVARSHINI	• HEXAWARE • ACCENTURE
22.	SANTHIYA R	• ELMEASURE INDIA Pvt Ltd
23.	SARIHA R	• ELMEASURE INDIA Pvt Ltd
24.	SENTHIL VELAN R	• AVASOFT • KEYANCE
25.	SHALINI S	• CAPEGEMINI
26.	SNEKHA R	• ELMEASURE INDIA Pvt Ltd
27.	STEFFY GRAN J	• SIX PHRASE
28.	SUBASH K	• NUMAX ENERGY SOLUTION
29.	VARSHINI KANNA M	• AVASOFT • HEXAWARE
30.	VIGNESHWAR R	• ACCENTURE

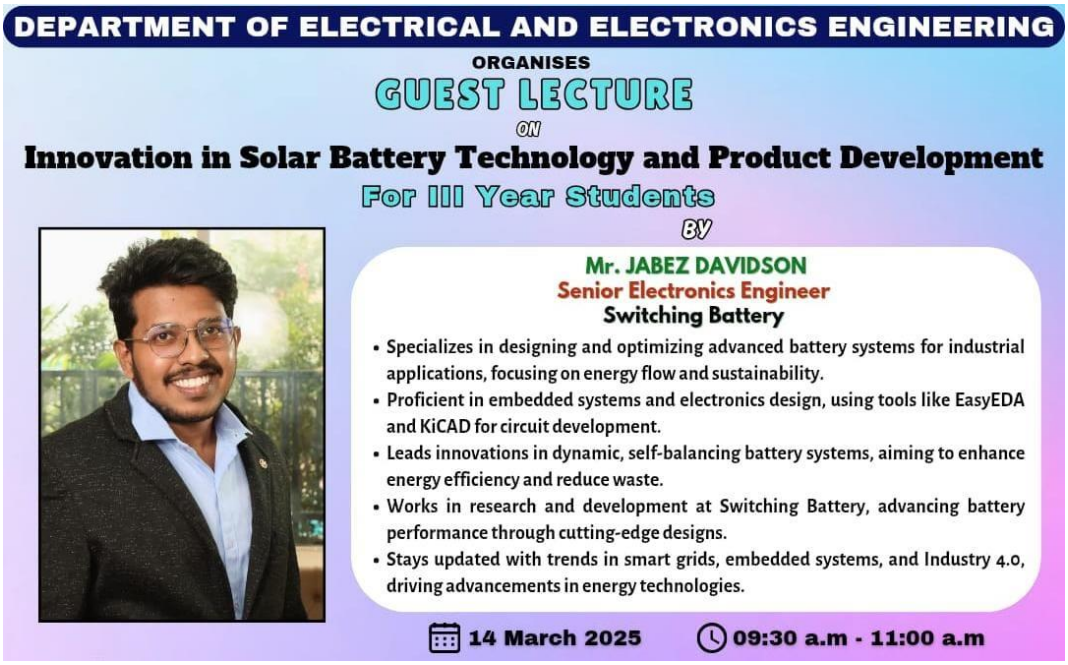
GUEST LECTURE

On March 13, 2025, the Department of Electrical and Electronics Engineering organized a guest lecture for III Year students on "Switchgear: Essential Components and Protection Systems in Electrical Engineering," delivered by Mr. V.A. Vishnu, an Electrical Developer at Siemens Technology Services Pvt. Ltd. The lecture covered the importance of switchgear in electrical systems, focusing on their components, functions, and protection mechanisms. Mr. Vishnu discussed the latest advancements in switchgear technology, fault detection, and safety measures, highlighting their role in preventing electrical hazards. The session was highly informative and provided valuable industry insights, enriching students knowledge in the field of electrical engineering



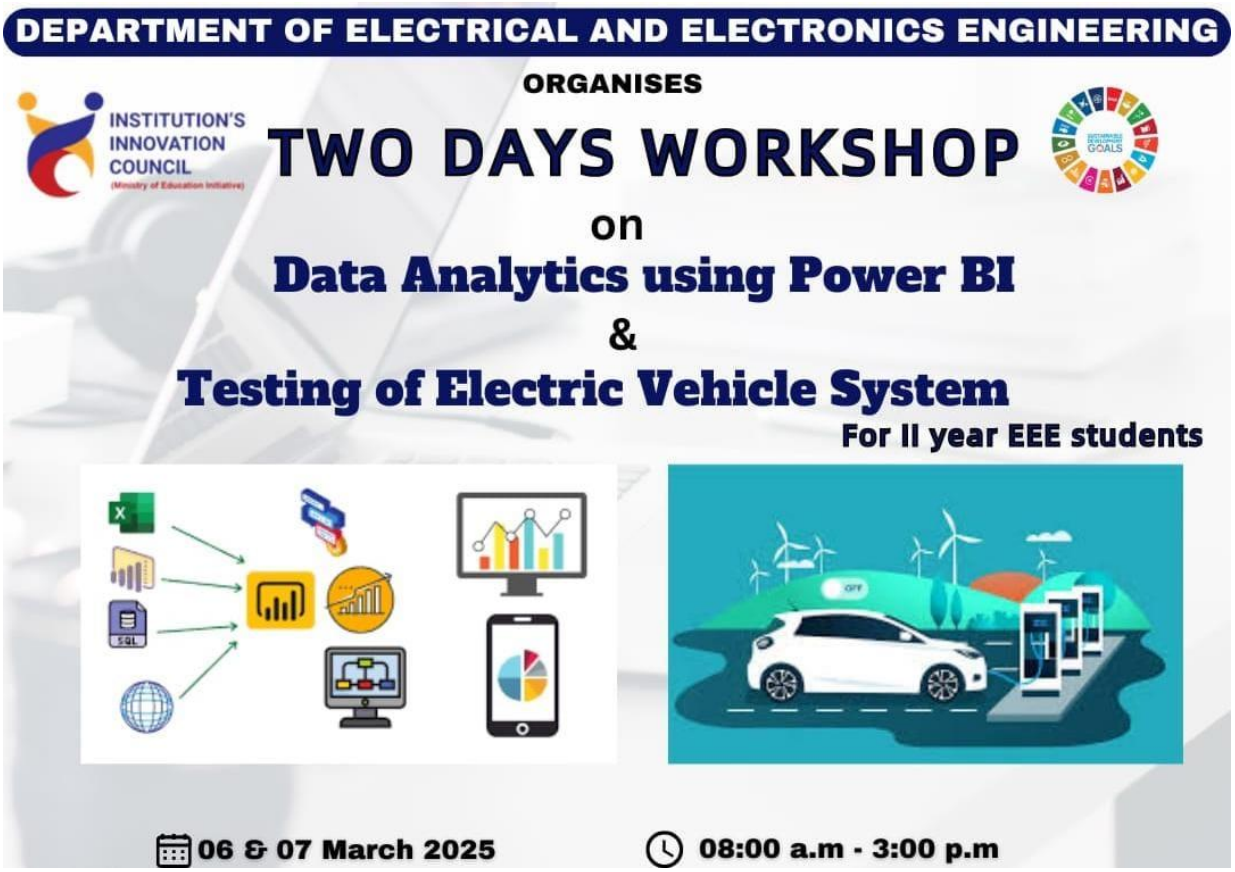
GUEST LECTURE

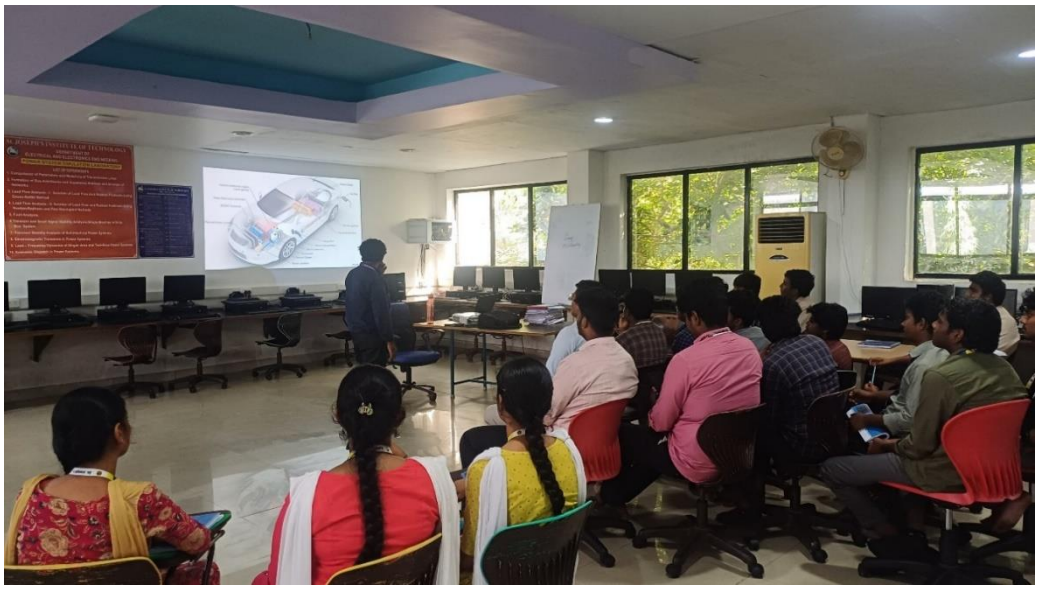
On March 14, 2025, the Department of Electrical and Electronics Engineering organized a guest lecture for III Year students on "Innovation in Solar Battery Technology and Product Development," presented by Mr. Jabez Davidson, Senior Electrical Engineer at Switching Battery. The session focused on recent advancements in solar battery technology, including the development of more efficient energy storage systems and their integration with renewable energy sources. Mr. Davidson discussed key innovations in battery design, performance improvements, and the challenges faced in the field. The lecture provided students with valuable insights into the future of solar energy and battery technologies, enhancing their understanding of sustainable energy solutions.



STUDENT WORKSHOP

On March 6th and 7th, 2025, the Department of Electrical and Electronics Engineering organized a workshop focusing on two key areas: "Data Analytics using Power BI" by Syasan's Career Analytics Technology Pvt Ltd, provided participants with hands-on experience in using Power BI for data visualization, analysis, and reporting, highlighting its application in various industries and "Testing of Electric Vehicle Systems" led by EmCog Solutions Pvt Ltd, focused on the testing procedures for electric vehicle systems, covering crucial aspects like performance evaluation, efficiency testing, and reliability assessment. The workshop aimed to enhance participants' skills and knowledge in these cutting-edge areas, providing valuable insights for students interested in data analytics and electric vehicle technology. The event was a great success, fostering knowledge exchange and innovation.





INDUSTRIAL VISIT

On March 12, 2025, the III Year students of the Department of Electrical and Electronics Engineering visited the Sathanur Dam Power Station in Tiruvannamalai. The visit provided insights into hydroelectric power generation, dam operations, and renewable energy processes. Students gained practical knowledge of power distribution and the role of dams in electricity production

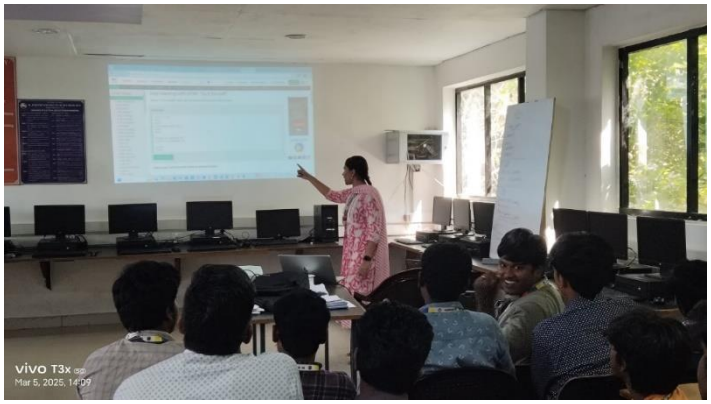
MOCK INTERVIEW

The Department of Electrical and Electronics Engineering conducted a Mock Interview on March 22, 2025, for third-year students, providing them with valuable real-world interview exposure. This initiative aimed to bridge the gap between academic learning and industry expectations by facilitating interactions with distinguished alumni who have excelled in their respective careers.

The interview panel comprised esteemed professionals, including Nirmal S (Project Engineer, Intellect), Hari Vignesh P (Senior Data Engineer, LTIMindtree), Jessy K (Network Design Engineer, Nokia), and Sharvesh G (Operations Executive, SMiLE Training Resources). Their guidance helped students gain insights into industry trends, technical requirements, and effective interview strategies. By participating in this event, students had the opportunity to refine their communication skills, boost their confidence, and enhance their technical knowledge. The interactive session allowed them to receive constructive feedback, preparing them for future placement opportunities. This initiative significantly contributed to their professional development and career readiness.

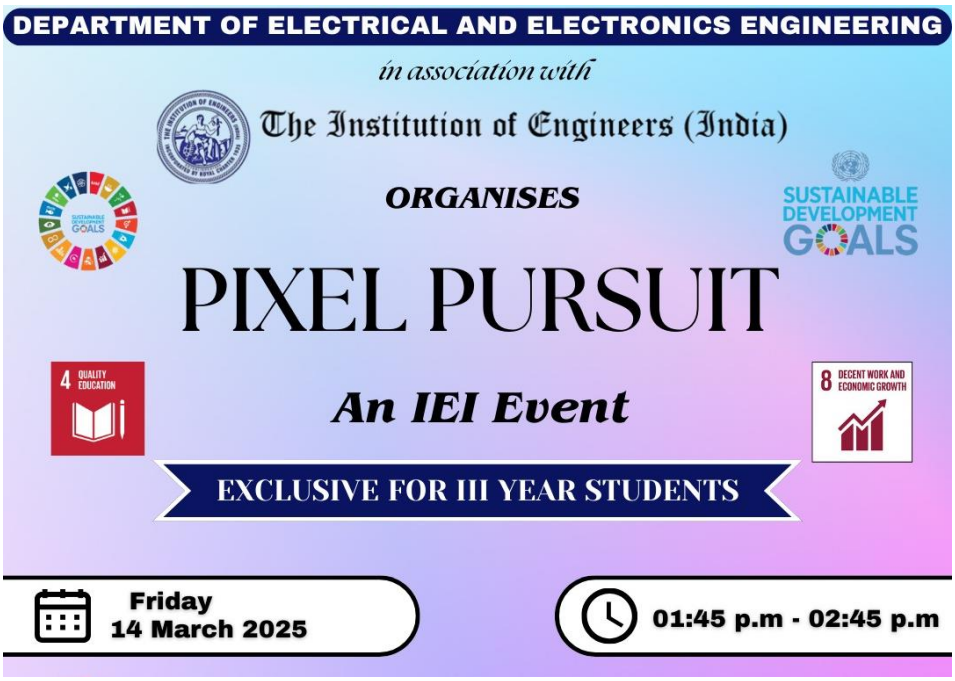
IEEE ACTIVITY

On 5th March 2025, the Department of Electrical and Electronics Engineering in association with the IEEE Industrial Electronics Society, organized a Peer2Peer series session on "Fullstack Insights: A Focus on Web Development." The session, aimed at second-year students, was presented by experts Gunal S and Harini M. They provided valuable insights into the concepts of full-stack development, covering both frontend and backend technologies. The interactive session helped students gain a deeper understanding of modern web development practices, tools, and frameworks, offering them practical knowledge to enhance their skills in the field of software development.



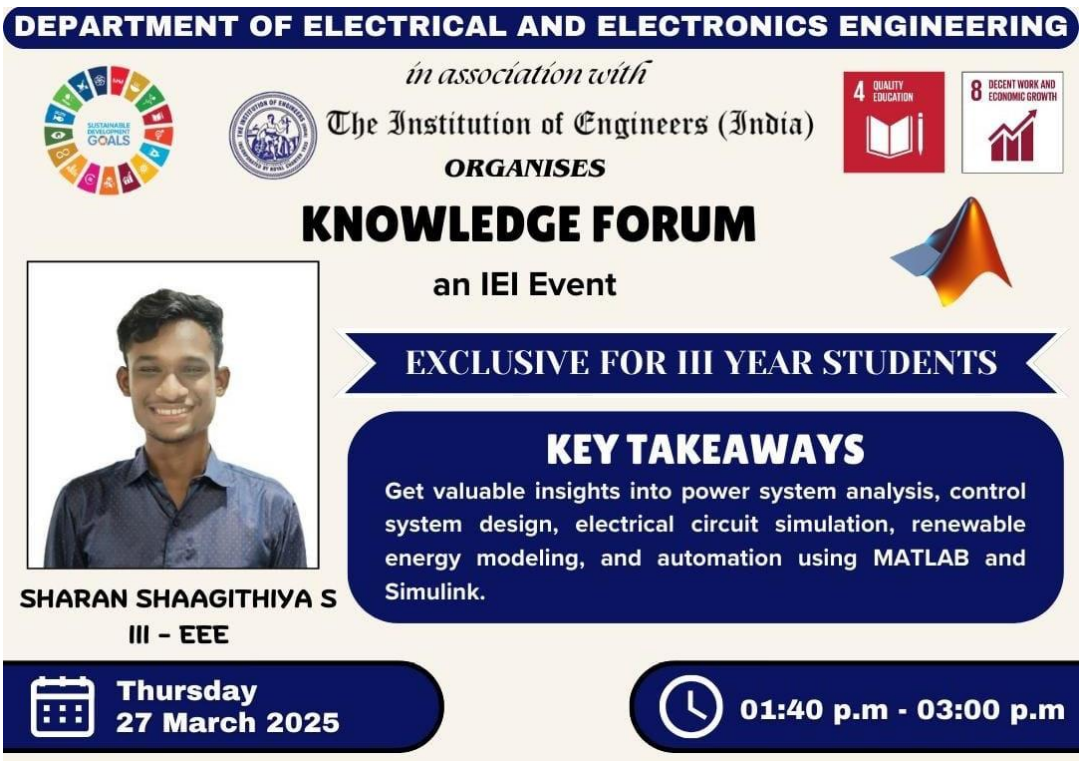
IEI ACTIVITIES

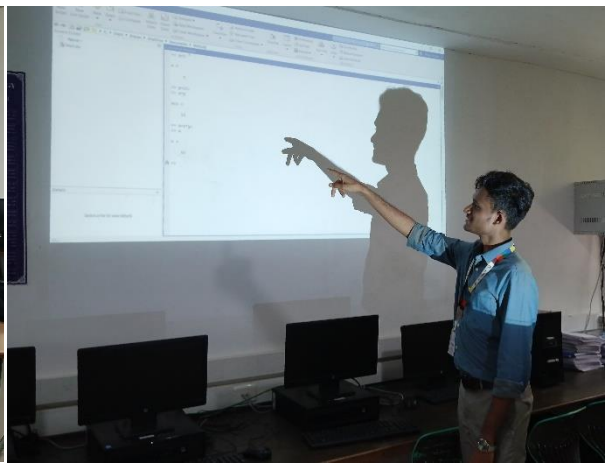
On 14th March, the Department of Electrical and Electronics Engineering, in association with the Institution of Engineers (IEI), organized an event titled "Pixel Pursuit" for third-year students. The event featured a seminar on renewable energy, highlighting its importance and future prospects. Students discussed various renewable energy technologies, such as solar, wind, and hydro power, emphasizing their role in sustainable development. The seminar provided students with valuable insights into the energy sector, encouraging them to explore innovative solutions for environmental challenges.



IEI ACTIVITIES

On 27th March, the Department of Electrical and Electronics Engineering, in collaboration with the Institution of Engineers (IEI), organized an event titled **"Knowledge Forum"** for second-year students. The session focused on **MATLAB basics** and was conducted by **Sharan Shaagithiya S**, a third-year student. The event introduced students to MATLAB's interface, basic commands, and key functions used in engineering applications. Hands-on demonstrations covered matrix operations, plotting, and algorithm development. The session aimed to enhance problem-solving skills and provide a strong foundation in MATLAB for academic and project-based applications. Students actively participated, making the event highly engaging and informative.





GREEN ENERGY CLUB

On March 12, 2025, the Department of Electrical and Electronics Engineering under the Green Energy Club organized the "Sustaina" event, a tech quiz aimed at first-year students. The event focused on sustainability, renewable energy, and emerging technologies, providing a platform for students to showcase their knowledge in these critical areas. Participants tested their understanding through various rounds, encouraging awareness and fostering interest in green technologies. The event was both educational and engaging, promoting eco-friendly innovation.

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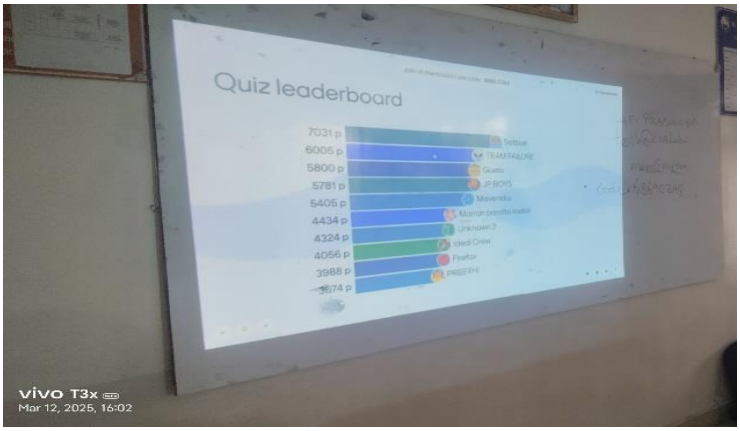
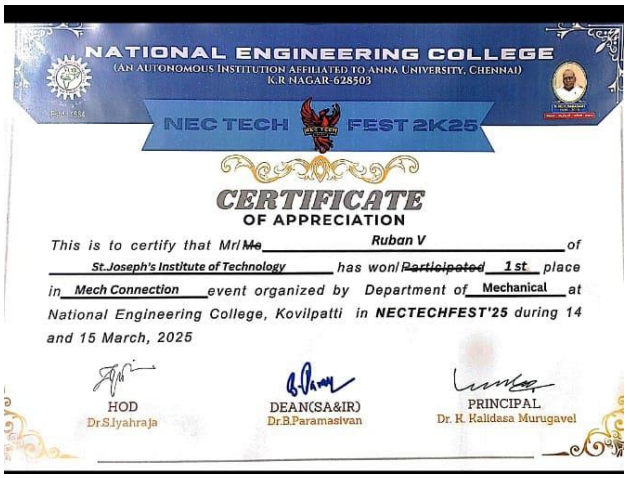


STUDENT ACHEIVEMENTS

The Department of EEE proudly congratulates the following students on their outstanding performance in competitions held at various engineering colleges. Their dedication and passion have led to this well-earned success. May their achievements inspire others to strive for excellence. Heartfelt congratulations!

S. No.	STUDENT NAME	YEAR	EVENT	ORGANISING COLLEGE	PRIZE WON
1	RUBAN V	III	MECH CONNECTION	NATIONAL ENGINEERING COLLEGE	I



NATIONAL ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
K.R NAGAR-628503

NEC TECH FEST 2K25

CERTIFICATE
OF APPRECIATION

This is to certify that Mr/~~Ms~~ Ruban V of St.Joseph's Institute of Technology has won/~~Participated~~ 1 st place in Mech Connection event organized by Department of Mechanical at National Engineering College, Kovilpatti in **NECTECHFEST'25** during 14 and 15 March, 2025

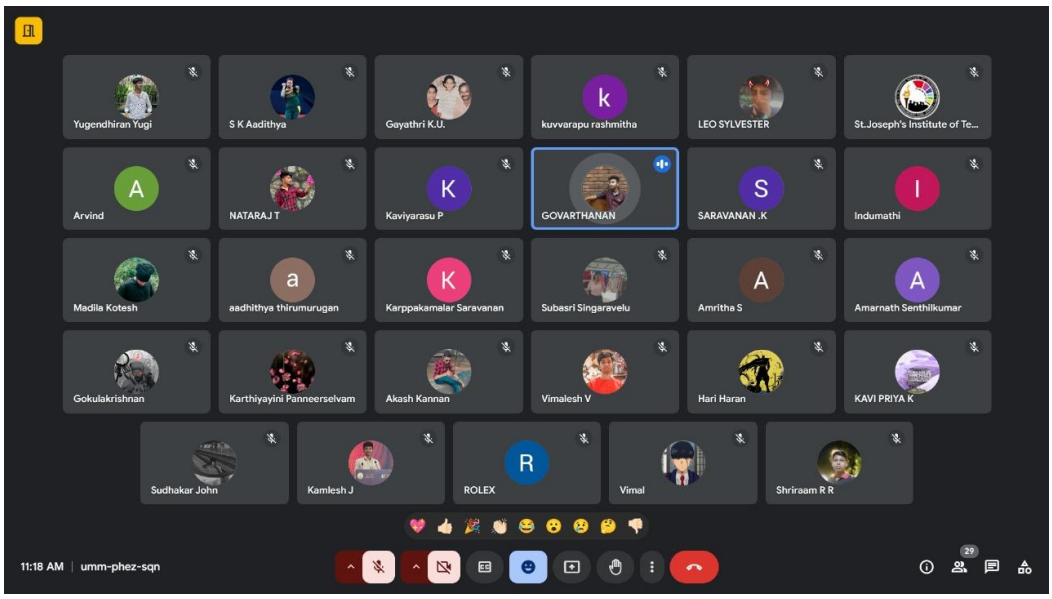
HOD
Dr.S.Iyahraja

DEAN(SA&IR)
Dr.B.Paramasivan

PRINCIPAL
Dr. K. Kalidasa Murugavel

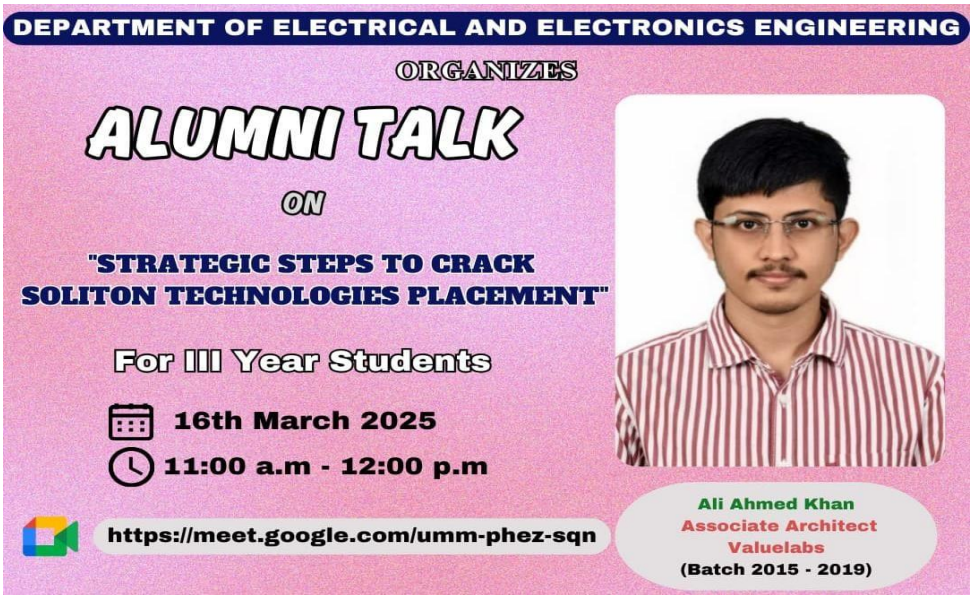
ALUMNI TALK

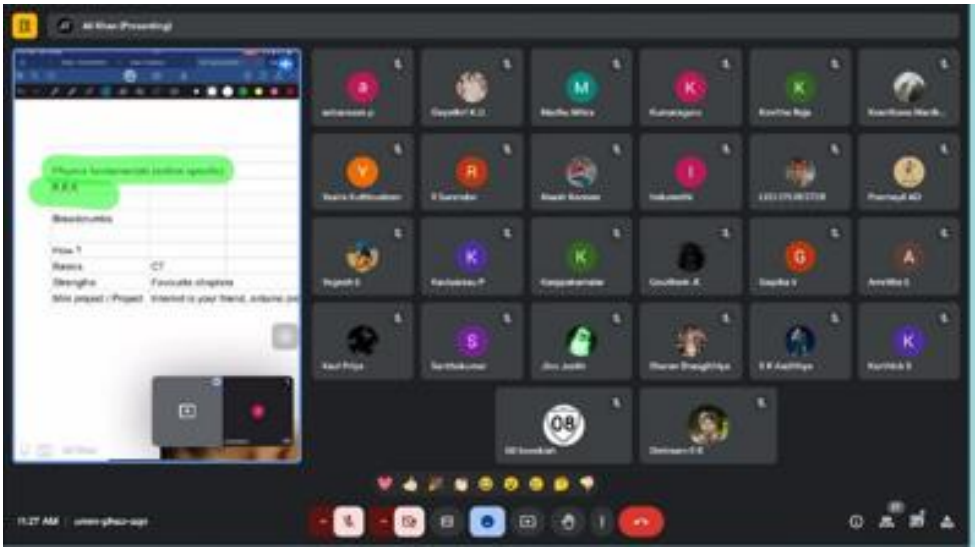
On March 9th, 2025, the Department of Electrical and Electronics Engineering organized an alumni talk by esteemed alumnus Govarthanan P (2018-2022 Batch), currently a Design and Verification Engineer (VLSI) at HCL Technologies. The session focused on "Strategic Steps to Crack HCL Placement for 3rd-Year Students." Govarthanan shared valuable insights into the placement process, highlighting key skills, preparation strategies, and technical knowledge required to succeed in securing a position at HCL.



ALUMNI TALK

On 16th March, the Department of Electrical and Electronics Engineering hosted an alumni talk by Ali Ahmed Khan, a 2016-2020 batch graduate and Associate Architect at ValueLabs. The session, titled "Strategic Steps to Crack Soliton Technologies Placement," offered valuable insights into the placement process at Soliton Technologies. Ali shared his personal experiences and practical strategies to succeed in technical interviews, including the importance of mastering core concepts, improving problem-solving skills, and staying updated with industry trends. The talk provided students with actionable guidance to enhance their preparation, making them better equipped for placement opportunities in the tech sector.





EDITORIAL

STAFFS

1. Dr. D. Kirubakaran
2. Dr. S. Hemalatha
3. Dr. P. Anbarasan
4. Mr. R. Manivannan
5. Mr. I. Cephas
6. Mr. S. Karthick
7. Dr. P. Nisha

II YEAR STUDENTS

1. Akshiyapriyadharshini S S
2. Harinee M
3. Anjali Varshika V S
4. Divesh K
5. Aravind R

STAY CONNECTED WITH US THROUGH OUR WEBSITES

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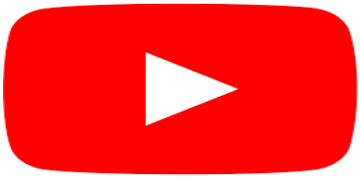

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https://www.instagram.com/eeesjit?igsh=cm5ycWc2bW9jNmoy

Learn more on our department's website :

https://stjosephstechnology.ac.in/web/eee/

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OMR, CHENNAI - 119

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Batch Toppers

Upto Sem VII (Batch 2021 - 2025)

AISHWARYA P
312421105001
9.55

GAYATHRI P
312421105016
9.18

DINESH M M
312421105013
9.06

Upto Sem V (Batch 2022 - 2026)

AKASH K
312422105004
9.01

KARPPAKAMALAR S
312422105024
8.96

SHARON JULIET P F
312422105047
8.94

Upto Sem III (Batch 2023 - 2027)

NIKITHAA KUMAR
312423105046
9.18

YASIRA BEGUM K
312423105060
8.90

BHUVANESHWARI M
312423105010
8.85

About College

- ✔ St. Joseph's Institute of Technology is a higher education institution in OMR, Chennai, India, established in the year 2011 and offers 7 UG programmes - CSE, ECE, EEE, IT and MECH and 1 PG Programme – Business Administration.
- ✔ St. Joseph's Institute of Technology is in its 13th year of educational service, in 2024.
- ✔ Anna University has granted Permanent Affiliation for 4 UG Programmes - CSE, ECE, IT and MECH from the year 2020-21.
- ✔ Anna University has approved 4 Departments - CSE, ECE, IT and MECH as Recognized Centre for Research for offering Ph. D/MS (by research).
- ✔ Five courses offered since inception namely B.E. - CSE, ECE, EEE, Mech. Engg. & B. Tech. IT have been accredited by NBA in 2017 in a shortest span of 6 years since its establishment, which ascertains the quality of our education.
- ✔ Our College was granted Autonomous status from the year 2022-23 for a period of 10 years.
- ✔ Our college has been approved for establishment AICTE Idea Lab - one among 95 Labs in India with an investment of Rs. 1.10 Crore to impart skill based training of our students from First Year onwards.
- ✔ Our college secured an All India Rank 134 (by AICTE Internshala) among 2000+ colleges participating in student internships for the year 2023 and 48th Rank out of 249+ colleges participated in South Zone.
- ✔ Our graduate outcomes include 80 % of placements in each academic year and 15 % admission to higher studies.
- ✔ For 5 consecutive years, our institution has been awarded with 4 out of 5 stars by the Institutions Innovation Council (IIC), Ministry of Education, Government of India.
- ✔ We are recognized as the "Best Exam Preparatory Centre" for conducting Linguaskill examinations by Cambridge Assessment English.
- ✔ We are consistently awarded "Best Employability Award" every year from 2020 by Aspiring Minds.
- ✔ Our institution is approved as a"Skill Development Center"with grant of Rs. 24 Lakhs for establishing Skill Hub under the Pradhan MantriKaushalVikasYojana (PMKVY 4.0)
- ✔ St.Joseph's Institute of Technology is a recognizedRemote center for conducting training programs by IIT Bombay and Nodal center of ISRO-IITs outreach programs to conduct live and interactive courses.
- ✔ Ours is a recognized Remote center for conducting training programs by IIT Bombay and Nodal center of ISRO-IITs outreach programs to conduct live and interactive courses.
- ✔ Our institution is selected under National level "UnnatBharathAbyanProgramme" by MoE Government of India and Skill & Personality Development Program center (SPDP) for SC/ST students by AICTE.
- ✔ We Received a total grant of Rs.21 Lakhs under MSME Idea Hackathon 3.0 (Women) sanctioned by the Ministry of Micro, Small & Medium Enterprises, Government of India.
- ✔ Our institution is a recipient of distinguished awards and recognitions namely Innovative Project Award and Youth Conclave Award from INAE, Hackathon Award, IEEE and Premier Institution Award from the Institution of Engineers (India).