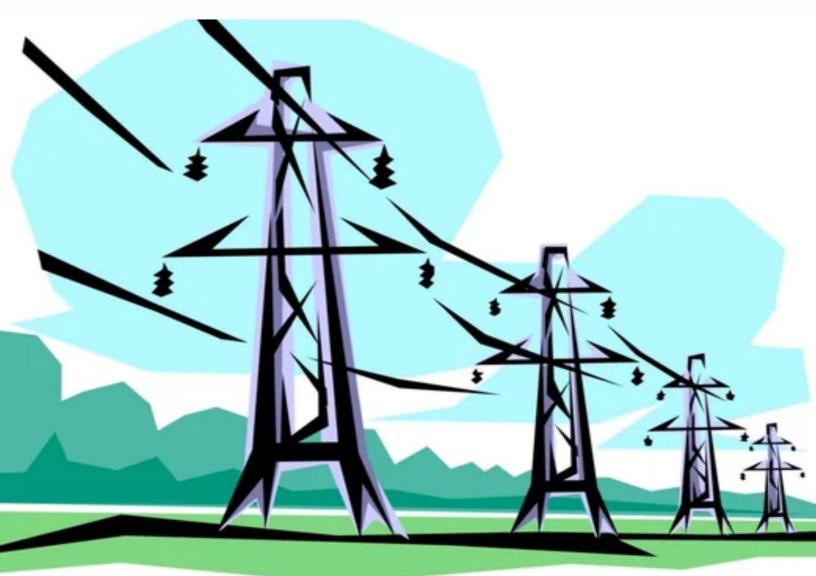


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER DECEMBER - 2024



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

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PLACEMENT DETAILS

The Department of Electrical and Electronics Engineering congratulates students on securing placements this year! Your dedication and hard work have paid off. This achievement reflects your commitment to excellence and readiness for your professional journey. We thank our placement teams, mentors, and industry partners for their valuable support. Congratulations on this significant milestone.

S.NO	NAME OF THE STUDENT	NAME OF THE COMPANIES PLACED
1.	AISHWARYA P	HEXAWARE TECHNOLOGIESINFOSYS
2.	AZIM AHAMED	MU SIGMA
		MU SIGMA
3.	GAYATHRI P	ACCENTURERENAULT NISSANLTI-MINDTREE
4.	HARSHA G	• INFOSYS
5.	JEEVA MURUGAN A	MITSOGIOLTI-Mindtree
6.	KARTHICK S	• INFOSYS
7.	NARMADHA K	• INFOSYS
0	RAJA VIKARAMA ASWIN K R S	• INFOSYS
9.	RAJKUMAR K	• INFOSYS
10.	SAIVARSHINI R	HEXAWARE TECHNOLOGIESACCENTURE
11.	SENTHIL VELAN R	AVASOFTKEYENCE
12.	VARSHINI KANNA M	AVASOFTHEXAWARE TECHNOLOGIES
13.	VIGNESHWAR R	• ACCENTURE



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INDUSTRY INTERACTIONS

The Department of Electrical and Electronics Engineering represented by Dr. D. Kirubakaran and Dr. N.P. Gopinath had an Industry-Institute Interaction session with FeeFo Electro Products Pvt. Ltd. on 27th December 2024, at their facility in Nagalkeni, Chromepet, Chennai.

This collaborative event brought together students, faculty members, and industry professionals, creating a dynamic platform for discussions on the latest trends and opportunities in the field of Electrical and Electronics Engineering. Mr. S. Ponraj, Director of FeeFo Electro Products Pvt. Ltd had shared invaluable insights into industry practices and entrepreneurial ventures.

Key focus areas of the interaction included:

- **Start-Up Opportunities** Inspiring students to explore innovative solutions and entrepreneurial pathways in the industry.
- **Internship Programs** Facilitating hands-on learning experiences for students to work with advanced technologies.
- **Industrial Visits** Offering practical exposure to real-time industrial operations and applications.

This event underscored the department's commitment to bridging the gap between academia and industry, ensuring students are equipped with the skills and knowledge required for a successful career.



Our faculty member, Dr. N.P. Gopinath, proudly represented the Department of Electrical and Electronics Engineering at the prestigious RT24 India Regional Conference organized by OPAL-RT Technologies India Pvt. Ltd. on the 17th and 18th of December, 2024.

This two-day event served as an exceptional platform for knowledge sharing and networking, bringing together professionals and experts from leading organizations, including OPAL-RT, Bitlismen, Keysight Technologies, and Electra EV.

The focus areas included:

- 1. **Opportunities for Student Internships** Paving the way for students to gain hands-on experience in cutting-edge technologies.
- 2. **Industrial Visits** Facilitating exposure to real-world industrial processes and innovations.
- 3. **Guest Lectures** Enriching academic learning with expert insights from industry stalwarts.
- 4. **Collaborative Research Projects** Advancing technology and innovation through joint efforts between academia and industry.

The event marked a significant step forward in fostering partnerships that promise to benefit both the department and its students, reinforcing the department's commitment to academic excellence and industry readiness.





The Department of Electrical and Electronics Engineering proudly highlights the participation of our faculty members, Dr. P. Anbarasan and Dr. P. Nisha, along with our enthusiastic students, at the IGEN Industry Challenge Meet 2024. This inspiring two-day event was held at the prestigious Anna University and brought together a dynamic blend of 25 industries and 25 academic institutions to address critical challenges aligned with the Sustainable Development Goals (SDGs).

The event served as an excellent platform for fostering collaboration and facilitating knowledge exchange between academia and industry. The discussions were centered around innovative solutions for pressing global challenges, focusing on key areas such as:

- 1. **Clean Energy** Exploring advancements in renewable energy technologies and sustainable power generation.
- 2. Green Mobility Innovating in the domain of electric and sustainable transportation solutions.
- 3. **AI Innovations** Leveraging artificial intelligence to drive impactful changes across industries.

Our faculty and students had the remarkable opportunity to interact with distinguished professionals, gaining valuable insights and building connections that are set to inspire future research and development initiatives. The meet underscored the vital role of collaborative efforts in addressing global challenges and reaffirmed the department's commitment to contributing to a sustainable and innovative future.



STUDENT ACHIEVEMENTS

We extend our heartfelt congratulations to our students for their remarkable achievements in publishing research papers in a variety of esteemed conferences. This exceptional accomplishment reflects not only your intellectual curiosity and commitment but also your unwavering perseverance and dedication to academic excellence. By sharing your innovative ideas and rigorous research findings, you have contributed significantly to the academic community, pushing the boundaries of knowledge and opening new avenues for exploration. These publications are a testament to your ability to think critically, analyze complex problems, and present solutions that resonate with the broader scientific and technical community. Each paper you publish adds value to the world of research and amplifies the department's vision of nurturing scholarly brilliance.

Your achievements have brought immense pride and honour to our department, underscoring its commitment to fostering a culture of inquiry, learning, and innovation. Through your groundbreaking contributions, you have inspired your peers and set a benchmark for aspiring researchers. Your success demonstrates the power of persistence and collaboration, encouraging others to follow in your footsteps and aim for similar heights. As you continue to excel in your academic and professional endeavors, we look forward to witnessing more of your impactful contributions. Let your success stories be the beacon that lights the way for future generations of students and further solidifies our department's reputation as a hub of academic excellence and intellectual growth.

S. No.	Reg. No	Name	Title of Paper	Conference and Date	Name of the Organizing college
1.	312421105001	Aishwarya P	Physics Informed Nural Networks for Reliable SOC Estimation in Lithium - Ion Battery Management	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology
2.	312421105027	Madhan Kumar A	A Comparative Evaluation of H - Infinity and PI Controllers with Emphasis on Motor Selection for BLDC Motor Speed Control in Electric Vehicles	9th International Conference on Communication and	ot
	312421105047	SenthilVelan R		Electronics Systems held on 16 -18 December 2024	
3.	312421105006	Azim Ahamed A	Efficient Hand Rehabilitation	9th International Conference on Communication and	PPG Institute
	312421105056	Vignesh V	Recognition for Spy-Robot Controlling System	Electronics Systems held on 16 -18 December 2024	of Technology

4.	312421105048	Shalini S	Development Of Smart School ID Card System For Maintaining	3rd International Conference on Automation, Computing and	Mount Zion College of Engineering And Technology	
	312421105055	VarshniKanna M	Attendance Record	Renewable Systems held on 4 - 6 December 2024		
5.	312421105013	Dinesh M M	Bidirectional Dual Active Bridge DC-DC Convereter for Renewable Energy Applications	4th International Conference On Power, Energy,	OnSri SaiRamy,Sri SaiRamlEngineeringnCollege8 - 9	
	312421105026	Madesh S		Control And Transmission Systems held on 8 - 9 October 2024		
6.	312421105020	Jayavanthi B M	Dynamic Wireless Power Transfer System for Smart Electric Vehicles	9th International Conference on	PPG Institute	
	312421105051	Snekha R		Communication and Electronics Systems held on 16 -18 December 2024	of Technology	
7.	312421105032	Nadanavigneshwarar S	Smart Environmental	9th International Conference on Communication and	ot	
	312421105028	Mohamed SadikMeeran M	Surveillance system for Satellite Operations	Electronics Systems held on 16 -18 December 2024		
8.	312421105025	Lokeshwar Jaganath P K	Design and Implementation of an Intelligent Solar- Powered Street Lighting System with IoT Integration for Enhanced	9th International Conference on Communication and Electronics Systems	nd PPG Institute of Technology	
	312421105038	Raja Vikarama Aswin KRS	Energy Efficiency and Adaptive Control	held on 16 -18 December 2024		
9.	312421105059	Vishwanathan A	Enhancing Power System Transient Stability and Power Export Capability using Battery Energy Storage Systems and Renewable Energy Integration	Conference or Communication Export Capability using Battery	9th International Conference on Communication and Electronics Systems	PPG Institute of
	312421105036	Prasanth R		held on 16 -18 December 2024	Yechnology	
10.	312421105015	Ganiss Roger L	Fleet Management System for Electric Buses using ESP32 Microcontroller	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology	



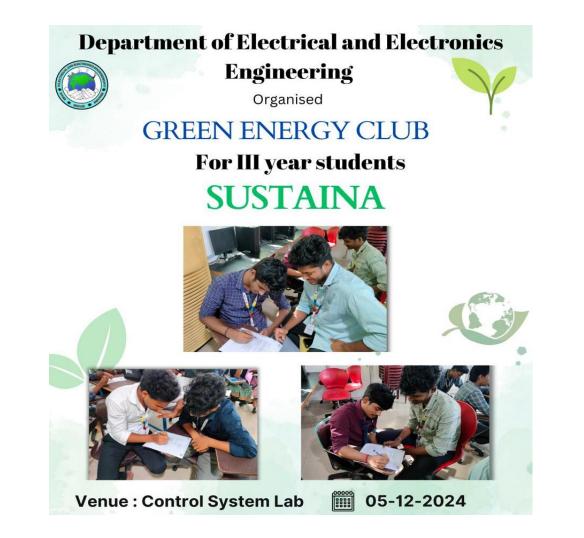


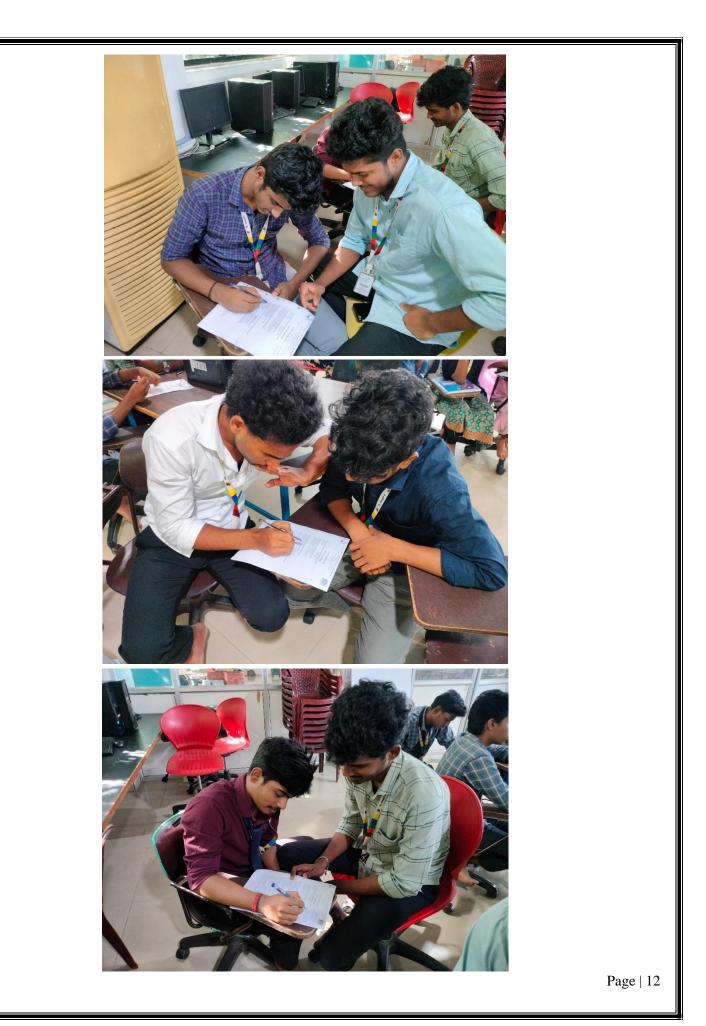
GREEN ENERGY CLUB ACTIVITIES

The Department of Electrical and Electronics Engineering embarked on a transformative journey by organizing Green Energy Club for III-year students on 05th December 2024. It's a collective endeavour aimed at promoting sustainable practices and exploring the potential of renewable energy solutions. This initiative not only broadened the students' horizons but also imparted invaluable lessons that resonate far beyond the confines of their academic pursuits.

The inception of the Green Energy Club stemmed from a shared vision among likeminded individuals from various Department—an aspiration to channel the passion of the students for environmental conservation into actionable initiatives.

From its nascent stages, the club served as a platform for fostering collaboration, creativity, and a deep sense of responsibility towards the environment. Through, various activities the students endeavoured to raise awareness about the pressing challenges of climate change and the pivotal role of green energy solutions in mitigating its impact.





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
- 8. Dr. N. P. Gopinath

STUDENT

Kamlesh J (III – EEE)

STAY CONNECTED WITH US THROUGH OUR WEBSITES



https://www.linkedin.com/in/ st-joseph-s-institute-of-technologyelectrical-and-electronics-engineering -755108282



https://youtube.com/ @st.josephsinstituteoftechneee?si=zN38e-9nLK Ad-3g



https://www.facebook.com/share/3mu5cTiHU3zRYecX/



Learn more on our department's website :

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



Upto Sem VI (Batch 2021 - 2025)



AISHWARYA P 312421105001 9.53



DINESH M M 312421105013 9.17



GAYATHRI P 312421105016 9.15

Upto Sem IV (Batch 2022 - 2026)



AKASH K 312422105004 9.08



KARPPAKAMALAR S 312422105024 8.92

Upto Sem II (Batch 2023 - 2027)



GOPIKA V 312422105015 8.91



NIKITHAA KUMAR 312423105046 9.00



YASIRA BEGUM K 312423105060 8.96



KEERTHANA M 312423105036 8.78

Disciplined Toppers

The Choice of





About College

- We motivate and prepare our students to excel in all aspects.
- 12 years of academic excellence in Engineering Education, offering 6 UG programs and 1 PG program.
- Secured 39 University Ranks with 1 Silver medal since inception.
- The courses offered (B.E. CSE, ECE, EEE, Mech. Engg. & B.Tech.-IT) have been accredited by NBA in 2017 in the shortest span of 6 years since inception, which ascertains our quality.
- Rated 4.5 Stars by the Institution's Innovation Council (IIC) of Ministry of Education, Govt. of India.
- Ranked at 'Performer Band' in Atal National level Ranking (ARIIA -2021) by Ministry of Education, Govt. of India.
- Associate Member of ICT Academy, Department of Information Technology, Government of Tamilnadu.
- 'National Employability Award' by Aspiring Minds (SHL), received every year since 2021.
- Recognized as the Nodal Centre of ISRO-IIRS outreach program to conduct live and interactive courses.
- Recognized Skill Development Centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation.
- Selected under the National level "Unnat Bharath Abyan Programme" by MHRD Government of India and "Skill and Personality Development programme Centre (SPDP)" for SC/ST students by AICTE, New Delhi.
- Recognized as the 'Best Exam Preparatory Centre' for conducting Business English Certificate (BEC) examination by Cambridge ESOL for the past years in India & one among 25 South Asia Best Preparatory Centres.
- Received notable awards and recognitions namely Innovative Project Award and Youth Conclave Award from INAE, Hackathon Award, IEEE and TNSCST Student Project Fund.
- Approval has been granted by AICTE for IDEA lab worth Rs 110 lakhs under self-finance scheme.
- Received 2 International Travel Grants from IEEE Photonics society by our students for attending International Conferences in USA.
- Received grants from SERB & AICTE for conduction of IEEE supported International conference & MSME for startup project.
- Conducted 7 International Conferences periodically since 2016.
- Excellent Sports recognitions at National and International level.
- @St.josephsgroupofinstitutionsomrchennai

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