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**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
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**St. JOSEPH'S GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119



# **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

## **THE CIRCUIT CHRONICLE**

### **NEWSLETTER**

**APRIL - 2025**



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<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.	AISHWARYAP	<ul style="list-style-type: none"> <li>• HEXAWARE TECHNOLOGIES</li> <li>• INFOSYS</li> <li>• COGNIZANT</li> </ul>
2.	AMALA GRACEWIN S	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
3.	ARUN A	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
4.	ASWIN N	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
5.	AZIMAHAMED A	<ul style="list-style-type: none"> <li>• MUSIGMA</li> </ul>
6.	BAVASRIVATHANI B	<ul style="list-style-type: none"> <li>• FEEFO ELECTRO PRODUCTS</li> </ul>
7.	DHARUN ANAND S	<ul style="list-style-type: none"> <li>• BNP PARI BAS</li> </ul>
8.	DHEVIN ANANDA RAJ A S	<ul style="list-style-type: none"> <li>• MAGNETIC AND CONTROLS</li> </ul>
9.	DIVAKAR S	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
10.	GAYATHRIP	<ul style="list-style-type: none"> <li>• MUSIGMA</li> <li>• ACCENTURE</li> <li>• RENAULTNISSAN</li> <li>• LTI-MINDTREE</li> </ul>
11.	HARSHAG	<ul style="list-style-type: none"> <li>• INFOSYS</li> </ul>
12.	JAYAVANTHI B	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
13.	JEEVAMURUGANA	<ul style="list-style-type: none"> <li>• MITSOGIO</li> <li>• LTI-Mindtree</li> </ul>
14.	KARTHICK S	<ul style="list-style-type: none"> <li>• INFOSYS</li> </ul>
15.	LOGESH K	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
16.	MUKESH S	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
17.	MUKILAN S	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
18.	MUTHU SELVAM S	<ul style="list-style-type: none"> <li>• MAGNETIC AND CONTROL</li> </ul>

19.	NADANAVIGNESHWARAR S	<ul style="list-style-type: none"> <li>• RENAULT NISSAN</li> </ul>
20.	NARMADHA K	<ul style="list-style-type: none"> <li>• INFOSYS</li> </ul>
21.	PRAVEEN KUMAR K	<ul style="list-style-type: none"> <li>• MAGNETIC AND CONTROLS</li> </ul>
22.	RAJA VIKARAMA ASWIN K R S	<ul style="list-style-type: none"> <li>• INFOSYS</li> </ul>
23.	RAJ KUMAR K	<ul style="list-style-type: none"> <li>• INFOSYS</li> </ul>
24.	SAIVARSHINI R	<ul style="list-style-type: none"> <li>• HEXAWARE</li> <li>• ACCENTURE</li> </ul>
25.	SANTHIYA R	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
26.	SARIHA R	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
27.	SENTHIL VELAN R	<ul style="list-style-type: none"> <li>• AVASOFT</li> <li>• KEYANCE</li> </ul>
28.	SHALINI S	<ul style="list-style-type: none"> <li>• CAPEGEMINI</li> </ul>
29.	SNEKHA R	<ul style="list-style-type: none"> <li>• ELMEASURE INDIA PVT LTD</li> </ul>
30.	STEFFY GRAN J	<ul style="list-style-type: none"> <li>• SIX PHRASE</li> </ul>
31.	SUBASH K	<ul style="list-style-type: none"> <li>• NUMAX ENERGY SOLUTIONS</li> </ul>
32.	VARSHINI KANNA M	<ul style="list-style-type: none"> <li>• AVASOFT</li> <li>• HEXAWARE</li> </ul>
33.	VIGNESHWAR R M	<ul style="list-style-type: none"> <li>• ACCENTURE</li> </ul>
34.	VISHWANATHAN A	<ul style="list-style-type: none"> <li>• OEDEC ENGINEERING</li> </ul>



# SUMMER INTERNSHIP PROGRAM for School Students

From 1st to 5th April 2025, the Department of Electrical and Electronics Engineering organized a Summer Internship Program for school students, aiming to spark interest in engineering and technology. The program saw enthusiastic participation from 183 students representing 15 different schools. Throughout the week, students engaged in hands-on sessions, lab visits, technical demonstrations, and interactive workshops led by faculty and student mentors. The initiative provided valuable exposure to basic electrical and electronics concepts, encouraging young minds to explore STEM fields. The program was well-received by students and staff alike, making it a successful outreach effort by the department.

**DEPARTMENT OF MECHANICAL ENGINEERING  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
INDUSTRY CERTIFIED SUMMER INTERNSHIP PROGRAM**

**1<sup>st</sup> April 2025 to 5<sup>th</sup> April 2025** **CERTIFIED BY GOODWIN MOTORS** **CERTIFICATES will be issued for all participants** **EXCLUSIVELY FOR STUDENTS COMPLETING CLASS XI & XII**


DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<b>SMART GRID</b>	<b>ELECTRIC VEHICLE TECHNOLOGY</b>	<b>IDEA LAB</b>	<b>ROBOTS EVERYWHERE</b>	<b>DESIGN THAT DEFINED EVERYTHING</b>
POWER SYSTEMS, SOLAR PV, BASIC WIRING, SAFETY & PRECAUTIONS	TRENDS ON EV, TYPES OF EV, APP DEVELOPMENT- EV SOA	3-D PRINTING, 3-D SCANNER, LASER CUTTING, VINYL PRINTING, IoT	PNEUMATICS, HYDRAULICS, SENSORS, MICROPROCESSOR & MICROCONTROLLER	AUTO CAD, PRO-E, CATIA, SOLID WORKS, ANSYS

Contact : [hodeee@stjosephstechnology.ac.in](mailto:hodeee@stjosephstechnology.ac.in)  
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+919443949827, +919840009248

<https://rb.gy/hm1spo>

**FOOD & TRANSPORT WILL BE PROVIDED**

**REGISTER NOW!**



## INDUSTRY INSTITUTE INTERACTION

On 25th April 2025, faculty members from the Department of Electrical and Electronics Engineering at St. Joseph's Institute of Technology visited the RenewX exhibition at Chennai Trade Centre. The visit offered insights into the latest trends in renewable energy and opened up opportunities for innovations, MoUs, internships, and student placements through interaction with industry experts..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.





## INDUSTRY INSTITUTE INTERACTION

On 30th April 2025, a fruitful Industry-Institute Interaction was held at Perungudi, Chennai, between the Department of Electrical and Electronics Engineering of St. Joseph's Institute of Technology and representatives from Sun Industrial Automation & Solutions Pvt. Ltd. (SIASPL) and BASE Automation Technologies. These companies specialize in delivering advanced industrial automation and software solutions across sectors such as utilities, manufacturing, and renewable energy. Their innovations, including EV charging stations and smart lighting poles, are key enablers in smart city projects.

**1. Industry Exposure:** Students gain insights into real-world applications of Power management and industrial automation.

**2. Internship Opportunities:** The visit opens doors for potential internships at Eaton Power Quality and Integra Software Solutions.

**3. Research Collaboration:** Opportunities for research projects in advanced power systems and software integration.

**4. Career Prospects:** Strengthened ties with industry provide future career opportunities in the fields of electrical engineering, power systems, and automation.



## MINI PROJECT EXPO

On 9th April 2025, Mini Project Expo was organized for third-year students, to showcasing innovative projects and technical creativity. Mr. Bhuvaneshwaran S, Proprietor of Sri Bhagavaan Power and a distinguished alumnus of the 2013–2017 batch, graced the event as a jury member. His insightful evaluation and constructive feedback were highly appreciated by both students and faculty. Mr. Bhuvaneshwaran's presence inspired the participants, bridging the gap between academic learning and industry expectations. The event served as a valuable platform for students to present their ideas and gain real-world insights from an accomplished professional in the field.



# STUDENT ACHIEVEMENTS

## Paper Publication

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 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.

### IV Year

S. No.	Reg. No	Name	Title of Paper	Conference and Date	Name of the Organizing college
1.	312421105001	Aishwarya P	Physics Informed Neural 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, Coimbatore
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 Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105047	SenthilVelan R			
3.	312421105006	Azim Ahamed A	Efficient Hand Rehabilitation Recognition for Spy-Robot Controlling System	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105056	Vignesh V			
4.	312421105019	Harsha G	Design and Analysis of a Boost Type Nine-Level Inverter with Reduced Switch and Capacitor Voltage Stress	Advances in Electrical, Computing, Communications and Sustainable Technologies, 9-10 January 2025 ICAECT 2025	Shri Shankaracharya Technical Campus, Chhattisgarh
	312421105043	Saivarshini R			
5.	312421105048	Shalini S	Development Of Smart School ID Card System For Maintaining Attendance Record	3rd International Conference on Automation, Computing and Renewable Systems	Mount Zion College of Engineering And
	312421105055	VarshniKanna M			



				held on 4 - 6 December 2024	Technology
6.	312421105016	Gayathri P	Design of Nine-Level Switched Capacitor-Based Inverter with Low Voltage Stress	Fourth International Conference On Power, Control And Computing Technologies, 20-22 January 2025	National Institute of Technology , Raipur
7.	312421105052	Steffy Gran J	Optimization of Energy Management in Electric Vehicle using AI	Advances in Electrical, Computing, Communications and Sustainable Technologies, 9-10 January 2025 ICAECT 2025	Shri Shankaracharya Technical Campus, Chhattisgarh
8.	312421105013	Dinesh M M	Bidirectional Dual Active Bridge DC-DC Converter for Renewable Energy Applications	4th International Conference On Power, Energy, Control And Transmission Systems held on 8 - 9 October 2024	Sri SaiRam Engineering College, Chennai
	312421105026	Madesh S			
9.	312421105020	Jayavanthi B M	Dynamic Wireless Power Transfer System For Smart Electric Vehicles	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105051	Snekha R			
10.	312421105032	Nadanavigneshwarar S	Smart Environmental Surveillance system for Satellite Operations	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105028	Mohamed SadikMeeran M			
11.	312421105025	LokeshwarJaganath P K	Design and Implementation of an Intelligent Solar- Powered Street Lighting System with IoT Integration for Enhanced Energy Efficiency and Control	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105038	Raja Vikarama Aswin KRS			
12.	312421105059	Vishwanathan A	Enhancing Power System Transient Stability and Power Export Capability using Battery Energy Storage Systems and Renewable Energy Integration	9th International Conference on Communication and Electronics Systems held on 16 -18 December 2024	PPG Institute of Technology, Coimbatore
	312421105036	Prasanth R			
13.	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, Coimbatore
14.	312421105022	Karthick S	IoT-Driven Smart EV Charging system with Predictive Maintenance and Advanced User-Centric Features for Urban Heat-Island Mitigation	3rd International Conference on Electronics and Renewable Systems, 11-13 February 2025	St. Mother Theresa Engineering College, Tuticorin
	312421105049	Sivaprakash S			

15.	312421105008	Chandru A	Smart Wheelchair ForParalysed Patient Using Advanced IoT	International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics 16 January 2025	BNM Institute of Technology, Bengaluru
	312421105002	AmalaGracewin S			
16.	312421105023	Karthick Pragadeesh K	Improvement of Power Quality in a Power System Using the QBC-Shunt Active Filter and FOPID Technique	3rd International Conference on Electronics and Renewable Systems, 11-13 February 2025	St. Mother Theresa Engineering College, Tuticorin
	312421105058	Vishal S K			
17.	312421105010	Deepika S.T	Nine Level Inverter with Dynamic Voltage Gain and Low Voltage Stress	6th International Conference of Power and Embedded Drive Control, 27-28 February, 2025	SSN College Of Engineering, Kalavakkam
	312421105018	Harini M			
18.	312421105033	Narmadha K	Solar Photovoltaic Based Model Predictive Controlled Fed Induction Motor Drive System for Water Pumping Applications	6th International Conference of Power and Embedded Drive Control, 27-28 February, 2025	SSN College Of Engineering, Kalavakkam
	312421105046	Sariha R			
19.	312421105057	Vigneshwar R M	Enerlink: Empowering EVs With Dynamic Vehicle-To-Vehicle Charging	2nd International Conference on Futuristic Trends in Science, Engineering and Management, 27-28 February 2025	St. Xavier's College of Management & Technology, Patna
	312421105017	Hariharan J K			
20.	312421105029	Mukesh S	Text To Braille Converting Communication Device	3rd International Conference on Recent and Advanced Composite Material, 26-28 February 2025	SRM Institute of Science and Technology, Chennai
	312421105054	SubashPrabakaran R			
21.	312421105040	Ritvik B C	IOT-Enabled Remote Pre-Conditioning and Predictive Thermal Management System for Electric Vehicles in Extreme Climates	3rd International Conference on Electronics and Renewable Systems, 11-13 February 2025	St. Mother Theresa Engineering College, Tuticorin
	312421105024	Logesh K			
22.	312421105050	Sneha K	Secure Energy Management Smart Metering Model System	2nd International Conference on Futuristic Trends in Science, Engineering and Management, 27-28 February 2025	St. Xavier's College of Management & Technology, Patna
	312421105045	Santhiya R			
23.	312421105007	Bavasrivathani B	Enhanced Electric Vehicle Management System: Safety and Monitoring	2nd International Conference on Futuristic Trends in Science, Engineering and Management, 27-28 February 2025	St. Xavier's College of Management & Technology, Patna
	312421105009	Danasiri P A			

24.	312421105031	Muthu Selvam S	Optimized LSTM Model For Day-Ahead Solar Power Prediction	2nd International Conference on Futuristic Trends in Science, Engineering and Management, 27-28 February 2025	St. Xavier's College of Management & Technology, Patna
	312421105012	Dhevin Ananda Raj A S			
25.	312421105014	Divakar S	Automated Mining Equipment Monitoring: Enhancing Efficiency through Sensor Technology and Predictive Maintenance	3rd International Conference on Electronics and Renewable Systems, 11-13 February 2025	St. Mother Theresa Engineering College, Tuticorin
	312421105011	DharunAnand S			
26.	312421105004	Arun A	IoT – Enabled Smart Wheelchair with Environmental Sencing and Geofencing for Safe and Comfortable Navigation	3rd International Conference on Electronics and Renewable Systems, 11-13 February 2025	St. Mother Theresa Engineering College, Tuticorin
	312421105005	Aswin N			
27.	312421105034	Paul Edwin Joshua P V	Smart Energy Consumption Dashboard And Safety Alerting System	7th International Conference on Intelligent Sustainable Systems (ICISS 2025) 12-14 March 2025	SCAD College of Engineering and Technology, Tirunelveli
	312421105021	JeevaMurugan A			
28.	312421105039	Raj Kumar K	Enhanced Environmental Monitoring System With Fire Detection and Hazard Mitigation Through Sensor Technology	International Conference on Intelligent Computing and Control Systems (ICICCS 2025), 19-21 March 2025	Nandha College of Technology, Erode
	312421105042	Sai Krishnan C			
29.	312421105030	Mukilan S	Optimizing Electric Vehicle Performance with Embedded system for Monitoring and Controlling Temperature	13 <sup>th</sup> International conference on Contemporary Engineering and Technology ,heldon 22 <sup>nd</sup> &23 <sup>rd</sup> March 2024	Prince Shri Venkateshwara Padmavathy Engineering College, Chennai
	312421105041	Sabanayagam B			
30.	312421105037	Praveen Kumar K	Modelling and Simulation of Hybrid Renewable Souces for Stand Alone AC Loads	First International Conference on Frontier Technologies and Solutions (ICFTS 2025) 27 – 28 March 2025	St. Joseph's college of engineering, Chennai
	312421105044	Sanjai S			
31	312421105053	Subash K	Early Fault Detection InThe Main Bearing Of Wind Turbines Based On Gated Recurrent Unit (GRU) Neutral Networks And SCADA	International conference onAI for the Oceans, 16 - 18 April, 2025	SRM Institute of Science and Technology, Kattankulathur
	312421105003	Amithesh S			

### III Year

S. No.	Reg. No	Name	Title of Paper	Conference and Date	Name of the Organizing college
1.	312422105004 312422105009 312422105023 312422105025	Akash K Arvind V Kamlesh J Karthiyayini P	Application Of Network Reduction Techniques in Power System	International Conference on Multidisciplinary Solutions on Emerging Trends on 26 April 2025	Dhanalakshmi Srinivasan University, Trichy



## STUDENT ACHIEVEMENTS

The Department of Electrical and Electronics Engineering proudly congratulates the students on their outstanding performance in various competitions held at renowned engineering institutions. Their dedication, passion, and perseverance have rightfully earned them this remarkable success. May their achievements serve as a source of inspiration for others to pursue excellence with the same zeal and commitment. Heartfelt congratulations to all the achievers!

S.NO	STUDENT NAME	EVENT	ORGANISING COLLEGE	PRIZE WON
II YEAR				
1.	ARAVIND R	CIRCUIT DEBUGGING	EASWARI ENGINEERING COLLEGE	I
		TECH CONNECTIONS		I
2.	DIVESH K	CIRCUIT DEBUGGING	EASWARI ENGINEERING COLLEGE	II
3.	KAVIN RAGAVINYA K R	TECH CONNECTIONS	EASWARI ENGINEERING COLLEGE	I
		CIRCUIT DEBUGGING		II
III YEAR				
1.	GAYATHRI K U	CIRCUIT DEBUGGING	EASWARI ENGINEERING COLLEGE	I



## NPTEL ACHEIVERS

We are delighted to share that students from the Electrical and Electronics Engineering Department, across the 2nd, and 3rd years, have earned prestigious Elite and Elite Silver certifications in the NPTEL examination! These accolades are a clear reflection of their unwavering dedication, exceptional perseverance, and in-depth expertise in their respective fields, raising the academic standards of our department. Attaining Elite and Elite Silver status highlights their outstanding academic proficiency, tireless pursuit of knowledge, strong work ethic, and commitment to continuous growth. This remarkable achievement sets a high standard, inspiring both current and future students to strive for excellence in their academic and professional journeys. We take immense pride in their success, as it embodies the core principles of persistence, discipline, and intellectual excellence that our department values. Congratulations to all for this impressive accomplishment, which undoubtedly marks the beginning of even greater achievements to come.

### II YEAR

S. No.	Register No.	Name of the Student	Course Name	Result
1.	312423105007	ARAVINTH KRISHNA JE	Edge Computing	Elite
2.	312423105008	BHUVANA V	Edge Computing	Elite
3.	312423105009	BHUVANESH R	Edge Computing	Elite
4.	312423105011	BIBAS LAMICHHANE H	Edge Computing	Elite
5.	312423105014	DHATCHINESH BHEEM RAO S	Edge Computing	Elite
6.	312423105017	DIVYA G	Edge Computing	Completed
7.	312423105018	DONA BRITTES J	Edge Computing	Elite
8.	312423105019	GAYATHRI A	Edge Computing	Elite
9.	312423105024	HARINEE M	User Interface Design	Completed
10.	312423105027	HEJEENA DAISY H	Edge Computing	Elite
11.	312423105037	KUMARAGURUBARAN S	Edge Computing	Elite
12.	312423105048	PONMAYIL A	Edge Computing	Elite
13.	312423105049	POOJA V	Edge Computing	Elite
14.	312423105050	ROHITH V	Edge Computing	Elite

### III YEAR

S. No.	Register No.	Name of the Student	Course Name	Result
1.	312422105019	INDUMATHI K	Natural Hazards	Elite
2.	312422105023	KAMLESH J	Recent Advances in Transmission Insulator	Elite

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**KUMARAGURUBARAN S**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **76** %

Online Assignments	24.58/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S343304207 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**BHUVANA V**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **65** %

Online Assignments	24.58/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S443309051 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ROHITH V**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **68** %

Online Assignments	24.58/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S443308333 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**PONMAYIL A**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **72** %

Online Assignments	23.75/25	Proctored Exam	48/75
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Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S443306850 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**GAYATHRI A**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **62** %

Online Assignments	24.58/25	Proctored Exam	37.5/75
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Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S343310800 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**HEJEENA DAISY H**  
for successfully completing the course  
**Edge Computing**

with a consolidated score of **67** %

Online Assignments	25/25	Proctored Exam	42/75
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Total number of candidates certified in this course: 1487

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25CS28S343310024 To verify the certificate No. of credits recommended: 2 or 3



**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**JE ARAVINTH KRISHNA**  
for successfully completing the course

**Edge Computing**


with a consolidated score of **65** %


Online Assignments	24.17/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **1487**



**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)


**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur


**Indian Institute of Technology Kanpur**



Roll No: NPTEL25CS28S343310745    To verify the certificate     No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**BHUVANESH R**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **1487**



**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)


**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur


**Indian Institute of Technology Kanpur**



Roll No: NPTEL25CS28S343310252    To verify the certificate     No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**J DONA BRITTES**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **64** %

Online Assignments	25/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **1487**


**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)


**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur


**Indian Institute of Technology Kanpur**



Roll No: NPTEL25CS28S443309651    To verify the certificate     No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**POOJA V**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **66** %

Online Assignments	24.58/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **1487**


**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)


**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur


**Indian Institute of Technology Kanpur**



Roll No: NPTEL25CS28S443308294    To verify the certificate     No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**INDUMATHI K**  
for successfully completing the course

**Natural Hazards**

with a consolidated score of **71** %

Online Assignments	24.17/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **2028**


**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2025**  
(8 week course)


**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur


**Indian Institute of Technology Kanpur**



Roll No: NPTEL25CE42S550410245    To verify the certificate     No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**KAMLESH J**  
for successfully completing the course

**Recent Advances in Transmission Insulators**

with a consolidated score of **66** %

Online Assignments	17.5/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **276**



**Prof. G. L. Sivakumar Babu**  
Chairman, Centre for Continuing Education  
ISC Bangalore

**Jan-Feb 2025**  
(4 week course)


**Prof. L. Umamand**  
NPTEL Coordinator  
ISC Bangalore


**Indian Institute of Science Bangalore**




Roll No: NPTEL25EE71S43304198    To verify the certificate     No. of credits recommended: 1 or 2

## IEEE ACTIVITY

On 24th April 2025, the Department of Electrical and Electronics Engineering, in association with the IEEE Industrial Electronics Society Student Chapter, organized a GATE Electrical Engineering Mock Test exclusively for EEE students. The initiative aimed to prepare students for the competitive GATE examination by simulating a real-time test environment. The mock test covered core subjects aligned with the GATE syllabus, helping students assess their preparation level and identify areas for improvement. The event received an enthusiastic response, with active participation from students. It proved to be a beneficial academic exercise, fostering exam readiness and encouraging focused learning among participants.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
IEEE - INDUSTRIAL ELECTRONICS SOCIETY STUDENTS CHAPTER

 **IEEE**  

Organising

**Gate Electrical Engineering (EE) Mock Test**

 **24/04/2025**

 **05:00 PM**

**OUTCOMES**

Provides a clear understanding of one's current standing, highlight areas for improvement, and build the necessary skills and confidence for the GATE exam.

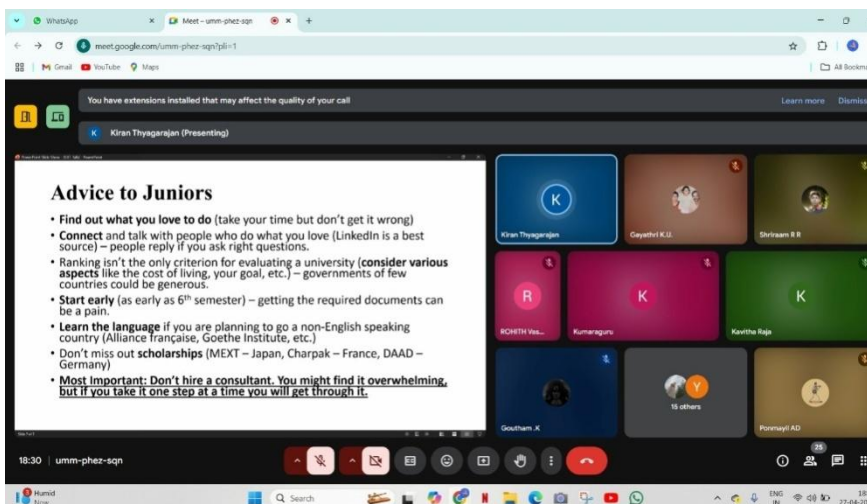
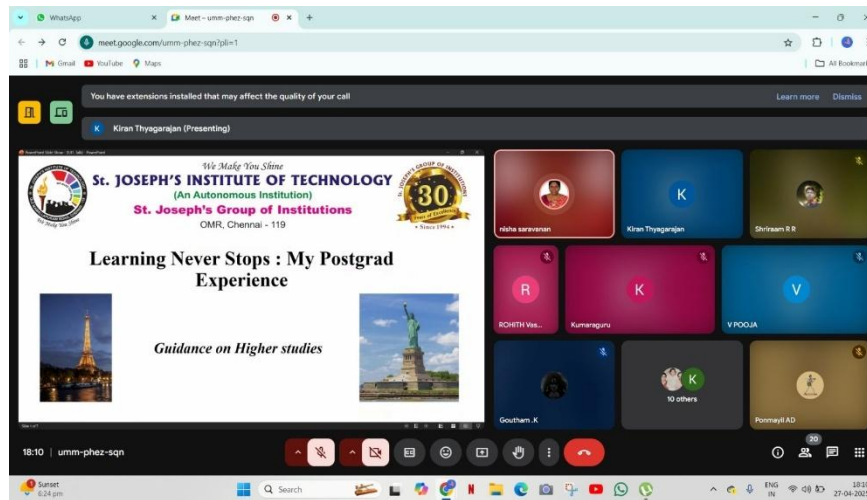


Scan Here to attend the test



## ALUMINI TALK

On 27th April 2025, the Department of Electrical and Electronics Engineering Organized an inspiring Higher Studies Guidance session titled "Learning Never Stops: My Postgrad Experience." This exclusive session, designed for second and third year students, featured Kiran T, a proud alumnus from the Batch of 2020–2024, who is currently pursuing his MS in Advanced Robotics at École Centrale de Nantes, France. Kiran shared his transformative journey of higher education abroad, discussing his motivations, application process, academic and cultural experiences, and the impact of international exposure on personal and professional development. He provided valuable insights on preparing for postgraduate studies, including tips on entrance exams, scholarships, adapting to new academic environments, and career opportunities after graduation. His candid sharing and practical advice offered clarity and inspiration to students aiming to explore global education pathways. The session also emphasized the importance of perseverance, continuous learning, and stepping out of one's comfort zone to pursue academic excellence and career growth.



## STAFF EXTERNAL INTERACTION

On 26th April 2025, the Department of Electrical and Electronics Engineering proudly witnessed a moment of prestige as Dr. S. Hemalatha served as a Session Chair at the International Conference on “Multidisciplinary Solutions for Emerging Trends (MSET-2025),” organized by Dhanalakshmi Srinivasan University, Tiruchirappalli.



## 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

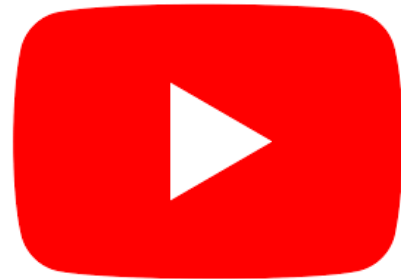
### STUDENTS II Year

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

## STAY CONNECTED WITH US THROUGH OUR WEBSITES



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



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

## Learn more on our department's website :

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



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**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**

(An Autonomous Institution)

**St. JOSEPH'S GROUP OF INSTITUTIONS**

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



**St. JOSEPH'S**  
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OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**





## 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 Mantri Kaushal Vikas Yojana (PMKVY 4.0)
- ✓ St. Joseph's Institute of Technology 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.
- ✓ 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 "Unnat Bharath Aayan Programme" 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).

## Total Placement Offer

**2024 - 2025 : 1056\***

\*(as on date)

