

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER AUGUST - 2024



TO KNOW MORE ABOUT THE DEPARTMENT ACTIVITIES PLEASE VISIT

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

Acknowledgement

We sincerely thank our beloved Chairman Dr.B.Babu Manoharan, Managing Director Mr.B.Shashi Sekar, Executive Director Mrs.S.Jessie Priya and Principal Dr. S. Arivazhagan for their motivation, guidance and support.



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



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



Mrs. S. Jessie Priya M.com., Executive Director



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

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Vision

To become a well renowned in the field of Electrical and Electronics Engineering by imparting knowledge and inculcating ethical values to serve the global society.

Mission

To inculcate knowledge of fundamental principles and make the students competent in the field of Electrical and Electronics Engineering.

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.

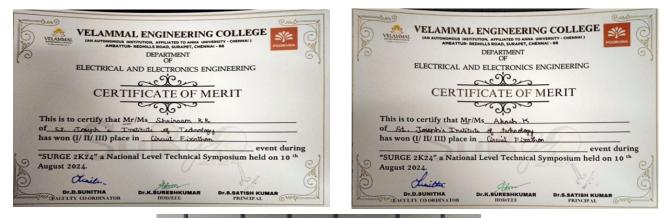
Program Specific Outcomes

- 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

Prize Winners

The department of EEE takes immense pleasure in congratulating the following students for their outstanding performance in competitions conducted in various Engineering colleges. Their diligence and passion have resulted in this well-deserved success. Let their achievement serve as an inspiration to others. Heartfelt congratulations!

SL.N O	STUDENT NAME	EVENT III YE	ORGANISING COLLEGE AR	PRIZE WON
1.	AKASH. K			
2.	KAMLESH. J	CIRCUIT	VELAMMAL ENGINEERING	Ι
3.	SHRIRAAM. R. R.	FIXATHON	COLLEGE	





SL.NO	STUDENT NAME	EVENT	ORGANISING COLLEGE	PRIZE WON	
	II YEAR				
1.	SHIVANI. C. S	WIRE WIZ	VELAMMAL ENGINEERING COLLEGE	Π	
2.	AKSHAYA PRIYADHARSHINI. S. S	MIND VS MIND	SRM INSTITUTE OF SCIENCE AND	T	
3.	DIVESH. K	IVIIIND	TECHNOLOGY	1	
4.	DIVESH. K	TECHNICAL	SAVEETHA ENGINEERING		
5.	R.BHUVANESH	DEBATE	COLLEGE	II	

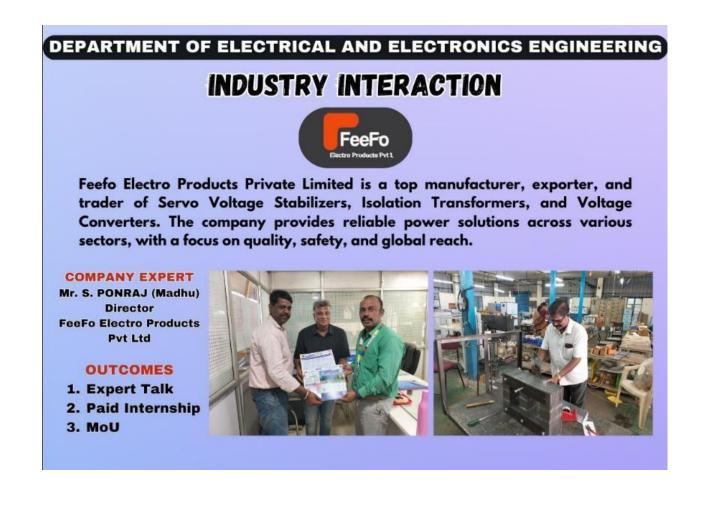


VELAMMAL ENGINEERING COLLEGE	FACULTY OF ENGINEERING AND TECHNOLOGY VERSIO'24 Certificate of Alerit
This is to certify that Mr/Ms_GHIVENT.C.1 of_ST.TOSEPH'S_CNATITOT_DE_TECNNOLOGY has won (I/ II/ III) place in GELOND UIEE WITZevent during "SURGE 2K24" a National Level Technical Symposium held on 10 th August 2024. Dr.D.SUNITHA Dr.D.SUNITHA Dr.M.SURESHKUMAR HOD/LIE PRINCIPAL OWNER DIFFERENCE DIFF	This is to certify Mr. / 146

Industry-Institution Interaction

Feefo Electro Products private Limited:

The Department of Electrical and Electronics Engineering had an interaction with the industry Feefo Electro Products Private Limited on 8th August, 2024. This interaction made the outcomes such as Expert talk, Paid internship and MoU. These outcomes will robust educational framework that enhances students academic experience, prepares them for the workforce, and connects them with valuable industry resources and insights.



Sanmina Corporation:

On 8th August, 2024, the Department of Electrical and Electronics Engineering had an interaction with Mr. S. Senthil Kumar, Human Resources of Sanmina Corporation, Oragadam. The outcomes of this interaction are Expert talk and Placement training. This will be the comprehensive approach that enhances students' employability by providing them with the tools, knowledge, and confidence needed to navigate the job market successfully.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRY INTERACTION



Sanmina designs, manufactures and repairs some of the most complex and innovative optical, electronic and mechanical products in the world. Recognized as a technology leader, Sanmina provides end-to-end design, manufacturing and logistics solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the industrial, medical, defense and aerospace, automotive, communications networks and cloud solutions sectors.



COMPANY EXPERT

Mr. S. Senthil Kumar Human Resource Sanmina Corporation Oragadam

OUTCOMES

1.Expert Talk 2.Placement Training

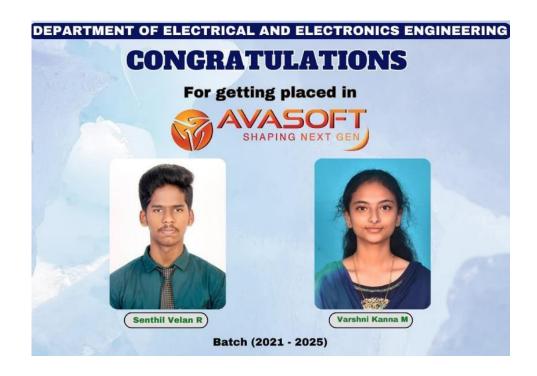
Placement Details

The Department of Electrical and Electronics Engineering is thrilled to extend our heartfelt congratulations to the students who have successfully secured placements this year! Your dedication, hard work, and perseverance have truly paid off. Securing a placement is a significant milestone, and it reflects in commitment to excellence and readiness to embark on your professional journey.

The success is a testament to the rigorous preparation and training, from honing the skills to mastering the art of interviews. It also highlights the valuable support and guidance provided by the placement teams, mentors, and industry partners who have played a crucial role in helping to achieve this goal.

Congratulation once again on this remarkable achievement here's to a future filled with growth, learning, and professional triumphs!

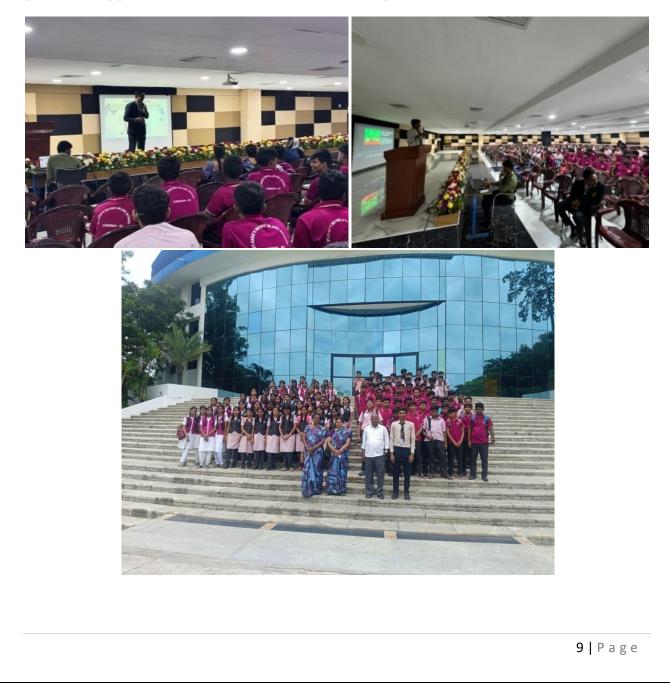
Sl.no	NAME OF THE STUDENT	COMPANIES PLACED
1.	SENTHIL VELAN R	AVASOET
2.	VARSHINI KANNA M	AVASOFT
3.	AZIM AHAMED	MU SIGMA
4.	GAYATHRI P	NIU SIGMA





School Students Visit

The students of St. Anne's Metric Higher Secondary School had a Visit to our college for the Energy Conservation Awareness program which was conducted by the Department of the Electrical and Electronics Engineering on 1st August, 2024. Energy Conservation Awareness Program equips students with valuable knowledge and skills, fosters responsible behavior, and inspires a proactive approach to environmental stewardship!



School Interaction

On 16th August, 2024, a seminar was organised on Renewable Energy and Electric Vehicle Technology by the Department of Electrical and Electronics Engineering in Kolipillai Memorial Metric Higher Secondary School. Knowledge of renewable energy and EV technology equips students with valuable skills, enhances their understanding of critical global issues, and prepares them for future careers and responsible citizenship.



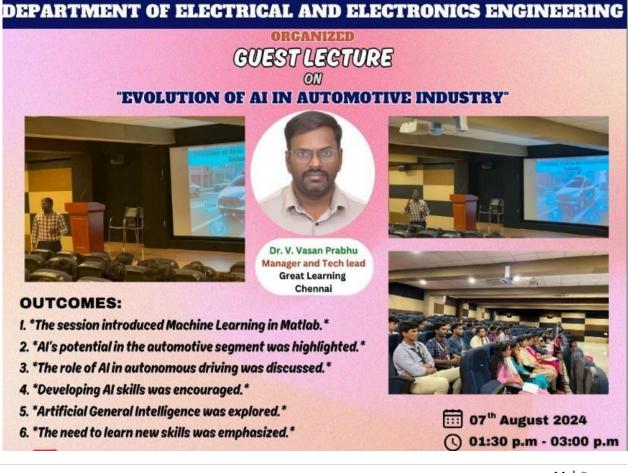


Guest Lecture

Our department hosted many dynamic guest lectures, offering students valuable insights from industry experts. Through interactive discussions and presentations, attendees gained practical knowledge and explored emerging trends in electrical engineering. This event exemplified the department's commitment to holistic education and professional development in the rapidly evolving field of EEE.

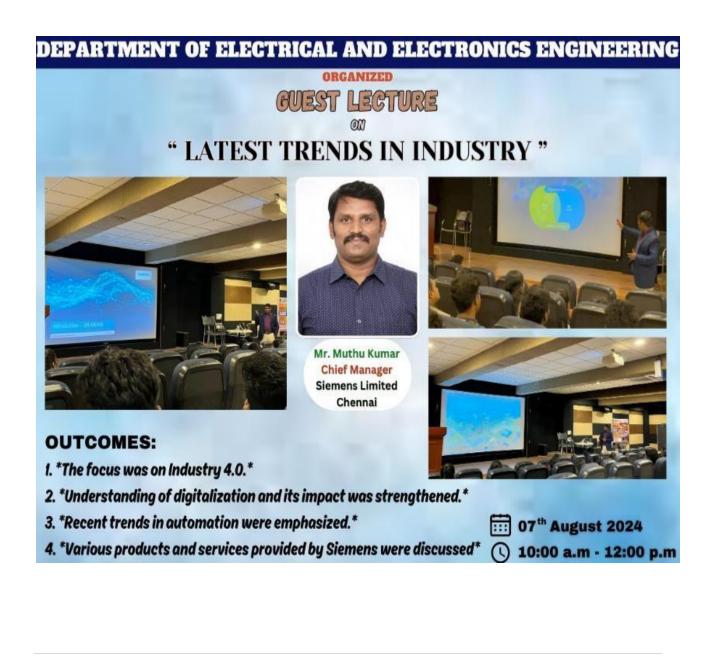
EVOLUTION OF AI IN AUTOMOTIVE INDUSTRY

The guest lecture was an outstanding success, and grateful for the insightful presentation delivered by Dr. V. Vasan Prabhu organized by the department of EEE on 7th August, 2024 for 4th year. The speaker's expertise and engaging delivery captivated the audience, providing with a fresh perspective on Evolution of AI in Automotive Industry. The clarity and depth of the information shared were particularly impressive, making complex concepts accessible and relatable. The feedback from attendees has been overwhelmingly positive, with many expressing their appreciation for the practical insights and inspiring ideas presented. This lecture has undoubtedly enriched the knowledge and sparked renewed enthusiasm for the subject.



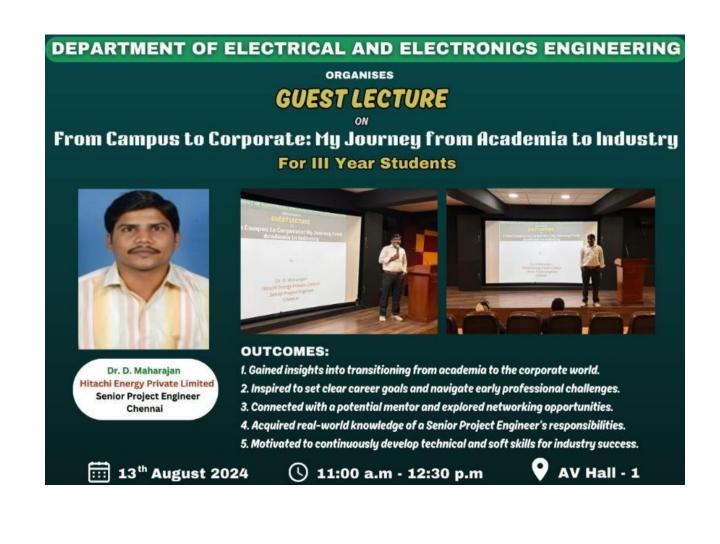
LATEST TRENDS IN INDUSTRY

On 7th August, 2024, our department of Electrical and Electronics Engineering were delighted to host Mr. Muthu Kumar, Chief Manager of Simens Limited for the guest lecture for 4th year. The depth of the knowledge on Latest Trends in Industry and the engaging way in which presented it were truly impressive. The lecture provided both a comprehensive overview and actionable insights, which are sure to benefit us in our studies and future careers. The positive feedback from participants reflects the high value they placed on your expertise.



FROM CAMPUS TO CORPORATE : MY JOURNEY FROM ACADEMY TO INDUSTRY

On August 13, 2024, the department of EEE organized a Guest Lecture on "From Campus to Corporate: My journey from Academy to Industry" by Dr. D. Maharajan, Senior project Engineer in Hitachi Energy Private Limited for 3rd year. The guest lecture was a breath of fresh air. Dr. D. Maharajan your presentation on "From campus to corporate" was both informative and inspiring. The passion and expertise brought to the topic were evident and greatly appreciated by everyone. The interactive elements and your willingness to engage with the audience made the session highly productive. It's clear that your contributions have sparked new interests and ideas among us.



RECENT TRENDS ON INDUSTRY 5.0

On 14th August, 2024, for 3rd year students, Guest lecture on Industry 5.0 delivered by Mr. S. Youghessh was nothing short of exceptional. The insightful exploration of the next wave of industrial evolution—where human-centric approaches meet advanced technologies—provided a fresh perspective on the future of manufacturing and production. The real-world examples and engaging anecdotes helped bridge the gap between theory and practice, making the content both accessible and relevant. The interactive discussion during the Q&A session was particularly valuable, sparking thoughtful dialogue and deepening our understanding of how Industry 5.0 will impact various sectors. We greatly appreciate the opportunity to learn from a leader in the field and are excited to see how these innovative concepts will shape our future endeavours.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Industrial Visits

NORTH CHENNAI THERMAL POWER STATION

On August 5, 2024, the Department organized an insightful industrial visit for fourth-year students to the North Chennai Thermal Power Station, offering them the experience of real-world applications in the energy sector. This visit provided them with invaluable real-world exposure to power generation and the operations of a thermal power plant. The students were given a comprehensive tour of the facility, where they observed the various processes involved in converting coal into electricity, from coal handling to the generation of power through turbines and generators. The visit also included detailed explanations by the plant's engineers, who shared insights into the challenges and innovations in thermal power generation. This experience greatly enhanced the students' understanding of their coursework and gave them a practical perspective on the energy sector.



MADRAS ATOMIC POWER STATION, KALPAKKAM

The third-year students had the unique opportunity to visit the Madras Atomic Power Station (MAPS) in Kalpakkam as part of their industrial visit (IV) on 16th August, 2024. This visit provided an in-depth look into the workings of a nuclear power plant, offering the students an invaluable learning experience. They were guided through the various stages of nuclear power generation, from the handling of nuclear fuel to the operation of reactors and the management of radioactive waste. The engineers and staff at MAPS provided detailed explanations of the safety protocols and advanced technologies employed to ensure the safe and efficient operation of the plant. The visit not only reinforced the theoretical knowledge gained in the classroom but also inspired a greater interest in the field of nuclear energy and its applications.



NGO Visits

DMI MACRO HOME

On 1st August, 2024, the 4th-year students undertook a meaningful journey to DMI Macro Home located at Ottanthangal Village, Walajabad. During the visit, the students interacted with the organization's staff and beneficiaries, gaining insights into the challenges faced by underprivileged groups and the impactful work being done to uplift them. The visit provided the students with a deeper understanding of social responsibility and the importance of community service, inspiring many to consider how they can contribute to society in meaningful ways.





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Club Activities

GREEN ENERGY CLUB FOR III & IV YEARS

The department of Electrical and Electronics Engineering has organized the Green Energy Club on 9th August, 2024 for 3rd year and 4th year to promote sustainable energy practices.

The objectives of this event are:

- Delve deeper into the complexities of renewable energy technologies and their integration into modern power systems.
- Encourage critical thinking and innovation in devising sustainable energy solutions.
- Gain invaluable insights into the latest developments and trends shaping the renewable energy sector.
- Empower students with a holistic understanding of green energy principles and practices.
- Drive meaningful change towards a more sustainable and resilient energy future









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GREEN ENERGY CLUB FOR II YEARS

The department of Electrical and Electronics Engineering has organized the Green Energy Club on 22nd August, 2024 for 2nd year to promote sustainable energy practices.

The objectives of this event are:

- Delve deeper into the complexities of renewable energy technologies and their integration into modern power systems.
- Encourage critical thinking and innovation in devising sustainable energy solutions.
- Gain invaluable insights into the latest developments and trends shaping the renewable energy sector.
- Empower students with a holistic understanding of green energy principles and practices.
- Drive meaningful change towards a more sustainable and resilient energy future





ENSAV CLUB

The department of Electrical and Electronics Engineering organized the ENSAV club activity on 13th August, 2024 in "Energy Efficient Idea Presentation". The activities were designed to not only enhance their knowledge but also to encourage teamwork and creative thinking. This event marked a significant step in cultivating a culture of sustainability and awareness among the students, inspiring them to become future leaders in environmental stewardship.

The Objectives of this Event are:

□ **Promote Innovation**: Encourage participants to develop and present innovative ideas that contribute to energy efficiency across various sectors, including residential, commercial, and industrial applications.

Raise Awareness: Increase awareness among participants and the audience about the importance of energy efficiency and its impact on reducing carbon footprints, conserving resources, and enhancing sustainability
Foster Collaboration: Provide a platform for individuals or teams collaborate, share knowledge, and exchange ideas on energy-efficient practices and technologies.

□ Enhance Problem-Solving Skills: Challenge participants to identify real-world energy efficiency problems and propose viable solutions, thereby improving their critical thinking and problem-solving skills.

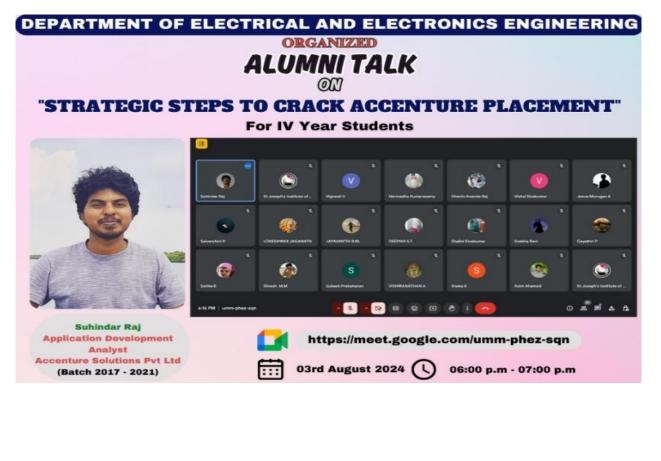


Alumni Talk

The alumni talks provided an invaluable opportunity for current students to gain insights and inspiration from esteemed graduates who have excelled in their respective fields. These talks served as a bridge between academia and the professional world, allowing alumni to share their journeys, experiences, and valuable advice with younger minds.

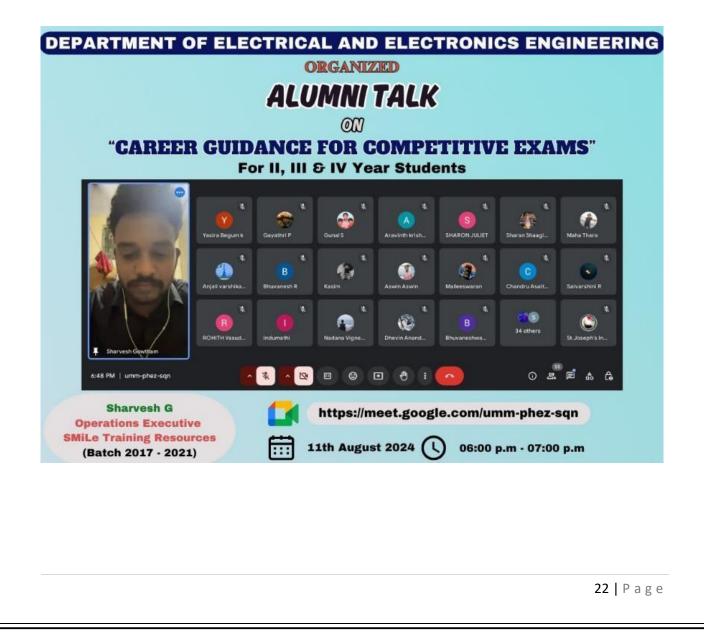
S. SUHINDAR RAJ (2017-2021)

On August 3rd, 2024, the department of Electrical and Electronics Engineering have organized an Alumni talk by esteemed alumnus Mr. Suhindar Raj, Application Development Analyst at Accenture Solutions Pvt. Ltd, for cracking Accenture placements. The alumni emphasized the importance of being well-versed in core subjects, staying updated with industry trends, and honing communication skills. Their practical advice and real-world experiences gave current students a clearer understanding of what it takes to stand out in Accenture's competitive recruitment process, leaving them motivated and better prepared for their own placement journey.



G.SHARVESH (2017-2021)

On August 11th, 2024, the department of Electrical and Electronics Engineering have organized an Alumni talk by esteemed alumnus Mr. Sharvesh G Operations Executive at SMiLe Training Resources on "Career Guidance for Competitive Exams". The alumni discussed effective study strategies, time management techniques, and the importance of staying disciplined and focused during preparation. The alumni also highlighted the significance of understanding exam patterns, practicing with mock tests, and staying updated with current affairs. By sharing the personal journeys and challenges, the alumni provided invaluable insights and motivation, helping students to better navigate the demanding path of competitive exams and make informed decisions about their career goals.



R.JAWAHAR (2018-2022)

On 21st August 2024 Department of Electrical and Electronics Engineering Organized A alumni talk by our esteemed alumni Jawahar R, Program Analyst, Cognizant Technology Solutions of 2018-2022 batch for II year students. Jawahar R's talk offered valuable insights into industry trends and career navigation. He discussed the evolving tech landscape, emphasizing the need for adaptability and continuous learning. Jawahar highlighted key skills for future professionals and shared practical advice on leveraging internships and networking. His personal experiences and strategic tips provided a clear roadmap for students to navigate industry changes and prepare for successful careers in technology. The session was engaging and informative, equipping students with a deeper understanding of current and future industry dynamics.









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T.KIRAN (2019-2023)

On 22nd August 2024 Department of Electrical and Electronics Engineering Organized a alumni talk by our esteemed alumni KIRAN T, M.S Robotics in Centrale Nantes, France of 2020-2024 batch for II year students. Kiran discussed application processes, scholarship opportunities, and the academic and cultural adjustments involved. His advice on selecting programs and preparing for advanced studies helped students understand the steps needed to pursue higher education effectively. The session was both inspiring and informative, offering practical guidance for students considering further education in their fields.









EDITORIAL

STAFF EDITORIAL

- 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 EDITORIAL

Yogesh S
Ananda Rao K

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Toppers Secured 8.5 CGPA and Above (Upto Sem II)

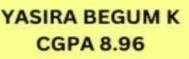
BATCH 2023 - 2027

CONGRATULATIONS !!



NIKITHAA KUMAR CGPA 9.0







KEERTHANA M CGPA 8.78



PONMAYIL A CGPA 8.69



BHUVANESHWARI M CGPA 8.67



JAYAKRISHNAN S CGPA 8.65





SHIVANI C S KAVINRAGAVINYAA K R CGPA 8.63 CGPA 8.53





The Choice of Disciplined Toppers



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Student Toppers Secured 8.5 CGPA and Above (Upto Sem IV)

Batch 2022 - 2026



Akash K 312422105004 9.08



Sharon Juliet P F 312422105047 8.83



Hematharshini V K 312422105018 8.60



Karppakamalar S 312422105024 8.92



Gayathri K U 312422105014 8.66



Kokilavani E 312422105029

8.60



Gopika V 312422105015 8.91



Kishore Kumar C S 312422105028 8.65



Sharan Shaagithiya S 312422105046 8.57



Aadithya S 312422105002 8.85



Kuvvarapu Rasmitha 312422105031 8.63



Karthiyayini P 312422105025 8.56







8.51



Subasri S S 312422105049 8.55

OMR, CHENNAI - 119



Leo Sylvester C

312422105032

8.53





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Student Toppers Secured 8.5 CGPA and Above (Upto Sem VI)

Batch 2021 - 2025



AISHWARYA P 312421105001 9.53



VARSHNI KANNA M 312421105055 8.93



DINESH M M 312421105013 9.17



GAYATHRI P 312421105016 9.15



SIVAPRAKASH S 312421105049 8.84



SARIHA R 312421105046 8.83



SENTHIL VELAN R 312421105047 8.82



8.76



312421105033 8.66



JAYAVANTHI B M 312421105020 8.50





The Choice of Disciplined Toppers





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **Batch Toppers**

We Make You Shine

(An Autonomous Institution) St. JOSEPH'S GROUP OF INSTITUTIONS OMR, CHENNAI - 119

Upto Sem VIII (Batch 2020 - 2024)



NIRMAL S 312420105007 8.79



MERIN STEPHA J 312420105006 8.74 Upto Sem VI (Batch 2021 - 2025)



JESSY K 312420105003 8.70



AISHWARYA P 312421105001 9.53



DINESH M M 312421105013 9.17

Upto Sem IV (Batch 2022 - 2026)



GAYATHRI P 312421105016 9.15



AKASH K 312422105004 9.08



KARPPAKAMALAR S 312422105024 8.92



GOPIKA V 312422105015 8.91

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.

@st.josephsgroupofinstitutions

- Conducted 7 International Conferences periodically since 2016.
- Excellent Sports recognitions at National and International level.
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