

TO KNOW MORE ABOUT THE DEPARTMENT ACTIVITIES PLEASE VISIT

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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

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

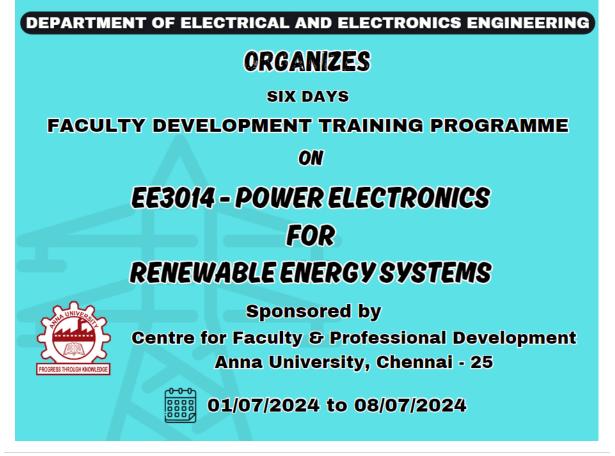
Program Specific Outcomes

- Our graduates will be able to understand the basic concepts related to engineering and technology with enhanced problem-solving skills.
- Our graduates, with high proficiency in Electrical and Electronics Engineering will be able to exhibit technical knowledge in industrial and entrepreneurial focus.
- 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.

Faculty Development Training Program

The Department of Electrical and Electronics Engineering at St. Joseph's Institute of Technology recently conducted a Faculty Development Program (FDTP) focusing on the subject "EE3014 Power Electronics for Renewable Energy Systems." This program aimed to enhance the knowledge and teaching capabilities of faculty members in this crucial area, which is at the forefront of modern electrical engineering. The FDTP covered a comprehensive curriculum, including the fundamentals of power electronics, the integration of renewable energy sources, and the latest advancements in technology and applications. By engaging in detailed discussions, hands-on sessions, and expert-led seminars, participants gained valuable insights into how power electronics can optimize the efficiency and reliability of renewable energy systems.

Moreover, the program provided a collaborative platform for educators to exchange ideas and experiences, fostering an environment of continuous learning and innovation. Emphasis was placed on the practical aspects of power electronics in renewable energy systems, such as designing and implementing converters and inverters, managing grid integration, and addressing the challenges of intermittency and storage by equipping educators with the necessary skills and knowledge, the FDTP at St. Joseph's Institute of Technology has significantly contributed to the advancement of education in power electronics and renewable energy systems, ultimately benefiting faculties and the broader community by promoting sustainable energy solutions.













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Mentor Meeting

The Department of Electrical and Electronics Engineering organized oneon-one mentor meeting with students by the dedicated teaching staff. This encounter by students proved to be not only informative but also profoundly transformative. The mentor meeting commenced with a welcoming atmosphere, a seasoned member of the teaching staff known for their expertise and commitment to student development. Settling into a comfortable environment conducive to open dialogue, the meeting began with an exploration of student's academic journey thus far and their future aspirations.

Throughout the discussion, student found themselves engaged in a thoughtful exchange of ideas and advice. The mentor, drawing upon years of experience and a deep understanding of the academic landscape, provided valuable insights into course selections, potential research opportunities, and career pathways aligned with student's interests. This personalized guidance not only clarified academic goals but also illuminated pathways to achieve them.

The one-on-one mentor meeting organized by the teaching staff was a defining moment for every student, characterized by insightful guidance and a renewed sense of purpose. It exemplified the dedication of the teaching staff to student success and highlighted the transformative power of mentorship in fostering academic and personal growth.



Placement and Higher Studies

PLACEMENT DETAILS – BATCH (2020-2024)

We are delighted to share the exciting news that our students have secured coveted positions with various companies. Their hard work, dedication, and skills have opened doors to new opportunities. Additionally, we are proud to recognize those who have chosen to pursue higher studies, showcasing their commitment to academic excellence and lifelong learning. The Department extends warm congratulations to all these students for their significant achievements.

Sl. No.	REGISTER NUMBER	NAME OF THE STUDENT	COMPANIES PLACED	
1.	312420105001	DANIEL M	BHARATH FIHJSE ENGINEERING PVT LTD	
2.	312420105002	IYYAPPAN S	• LINCOLN ELECTRIC COMPANY (INDIA) PVT LTD	
3.	312420105003	JESSY K	PICKYOURTRIAL,JSE ENGINEERING PVT LTD	
4.	312420105004	JUNISH EZRA	GK POWERBHARATH FIH	
5.	312420105006	MERIN STEPHA J	KEYENCEPICKYOURTRIAL	
6.	312420105007	NIRMAL S	 BYJUS CONSERVE SOLUTIONS, QSPIDERS DELOITTE 	
7.	312420105009	PAUL ANDREW M	BHARATH FIHJSE ENGINEERING PVT LTD	
8.	312420105011	SANJAY K	• QSPIDERS	
9.	312420105302	BALA PRASANNA K	• RANE	

HIGHER STUDIES DETAILS – BATCH (2020-2024)

We are proud to extend our heartfelt congratulations to our students who are embarking on the exciting journey of higher studies. Your dedication, hard work, and commitment to academic excellence have not only distinguished you as exceptional students but have also set a shining example for your peers. As you step into this new chapter, we commend you for your pursuit of knowledge and your ambition to reach greater heights. Pursuing higher studies is a significant milestone, one that promises to broaden your horizons, deepen your expertise, and open doors to new opportunities. We have every confidence that you will excel in your chosen fields and make remarkable contributions to your areas of study. Your achievements are a testament to your perseverance and passion, and we are honoured to have been a part of your academic journey. Best of luck in your future endeavours; we eagerly await the incredible successes that lie ahead for you!

Sl. No.	REGISTER NUMBER	STUDENT NAME	PROGRAMME	COLLEGE NAME
1.	312420105008	NISHA BHARATHI J	M. E (High Voltage Engineering)	CEG, ANNA UNIVERSITY, CHENNAI
2.	312420105010	PURUSOTHAMAN A	M.Tech (Power Systems Engineering)	PARUL UNIVERSITY, GUJARAT
3.	312420105012	KIRAN T	M.S (Robotics)	CENTRALE NANTES, FRANCE

Expert Talks

The Department of Electrical and Electronics Engineering recently hosted an enlightening expert talk by **Mr. G. Raja Ganesan, Founder and Director of VATIO Energy India Private Limited**, focusing on emerging technologies and career guidance in electrical engineering. Mr. Ganesan began by discussing transformative advancements such as smart grids, renewable energy sources, and electric vehicles (EVs). He emphasized the integration of technologies like artificial intelligence (AI) and the Internet of Things (IoT), which are driving greater efficiency, sustainability, and reliability in electrical systems. These innovations are reshaping energy generation and consumption, opening new avenues for development and requiring engineers to stay updated on these trends to remain competitive in the industry.

In addition to discussing technical advancements, Mr. Ganesan provided practical career guidance for aspiring engineers. He stressed the importance of a solid understanding of core electrical engineering principles while also encouraging proficiency in emerging technologies like AI, IoT, and data analytics. He highlighted the value of hands-on experience through internships and projects, as well as the benefits of networking and continuous learning. Concluding his talk, Mr. Ganesan addressed the broader societal and environmental impacts of these technologies. His insights inspired students to view themselves as key players in advancing a sustainable future through their Engineering careers.



IEI Activities

The Department of Electrical and Electronics Engineering along with Institution of Engineers (India) [IEI] organized an expert talk on "Grid Responsiveness and Demand Side Management Trends for EV Charging" by **Dr. J. Aran Glenn, Manager at OLA Electric Technologies Pvt Ltd.** Dr. Glenn discussed the rapid growth of electric vehicles (EVs) and its implications for energy demand, highlighting the need for grid modernization. He explained how integrating EV charging stations into the grid presents opportunities and complexities, requiring innovative solutions like smart charging to optimize schedules based on grid conditions and enhance stability. The talk empowered us as students to envision ourselves as future leaders in sustainable energy innovation, igniting our passion for addressing the challenges of grid integration and EV adoption. Inspired by Dr. Glenn's expertise, we are now more motivated to contribute to the advancement of clean, efficient, and resilient energy systems.

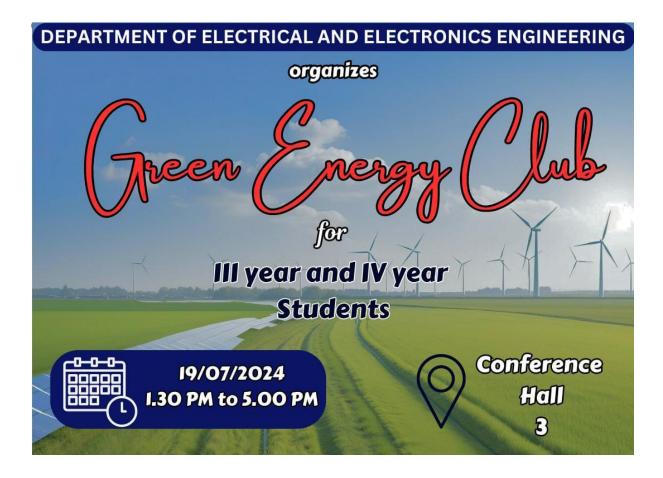




Club Activities

The Department of Electrical and Electronics Engineering embarked on a transformative journey by organizing Green Energy Club for IV-year and III-year students on 19th July 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 like-minded 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.





NGO Visit

The Department of Electrical and Electronics Engineering organized the NGO visit to the Sakthi Adharavu Illam, Maduravoyal for III-year students on 20th July 2024 which was not merely a field trip, but a transformative experience that left an indelible mark on the hearts and minds of the students. It served as a poignant reminder of the power of human connection and the importance of using our education to uplift and empower those in need.

Interacting with the elderly residents proved to be a deeply enriching experience. The students listened intently as they recounted their life journeys, their triumphs, and their regrets. The students shared moments of laughter and tears, bridging generational gaps and forging bonds that transcended mere acquaintanceship. In their presence, we found wisdom that textbooks could never impart—the wisdom of lived experiences, of enduring love and loss, and of perspectives shaped by decades of existence. And engaging with the children proved to be an eye-opening experience. The students played games, told stories, and shared moments of laughter that transcended language barriers and cultural differences. In those fleeting hours, the students formed connections that transcended the roles of visitor and visited, forging bonds of empathy and understanding.





Mock Interview

On July 31, 2024, our Department of Electrical and Electronics Engineering organized a "Mock Interview" session for final-year students to prepare them for real-world job interviews. The session included technical interviews focusing on core engineering subjects like power systems, power electronics, and renewable energy systems, as well as HR interviews assessing communication skills, leadership, and problem-solving abilities. Each student received personalized feedback, helping them identify areas for improvement and refine their interview techniques. This session not only enhanced the students' confidence and technical proficiency but also provided valuable preparation for upcoming campus placements, ensuring they are well-equipped to meet professional expectations.



Alumni Talks

The alumni talk provided an invaluable opportunity for current students to engage with successful graduates who once shared the same experiences. These sessions served as a meaningful bridge between academic life and the professional world, as alumni warmly shared their personal journeys, achievements, and insights with enthusiastic students. This heartfelt interaction made a lasting impact, motivating students to dream ambitiously and pursue their own paths with assurance and determination.

Ms. Nisha V

(Batch 2017 – 2021)

On July 7, 2024, an enlightening alumni talk titled "How to Get Hired at AVASOFT" was organized for the fourth-year Electrical and Electronics Engineering students. The session featured Nisha V, an esteemed alumna currently working as a ServiceNow Process Consultant at AVASOFT in Chennai. Nisha provided valuable insights into the skills and attributes that AVASOFT looks for in potential hires, offering practical advice on how students can enhance their employability. She highlighted the importance of aligning one's technical expertise with the company's focus areas, particularly emphasizing proficiency in ServiceNow, to increase their chances of securing a position at the company.



Mr. Roshan Aro Alvin J (Batch 2016 – 2020)

On July 7, 2024, the Department of Electrical and Electronics Engineering organized an insightful alumni talk titled "Strategic Steps to Crack Kaar Technologies Placement" for fourth-year students. The session was led by Roshan Aro Alvin J, a distinguished alumnus and Associate System Analyst at Expediators International (India) Pvt Ltd, Chennai. Roshan shared valuable strategies and practical tips aimed at helping students excel in the placement process at Kaar Technologies. He highlighted the crucial importance of understanding the company's core values and technological focus areas, advising students on how to align their skills and knowledge with the company's expectations. By doing so, Roshan guided the students on enhancing their chances of securing a position at Kaar Technologies. The session was highly beneficial, providing students with the necessary insights to navigate the placement process successfully.



Mr. Thilak S

(Batch 2014 - 2018)

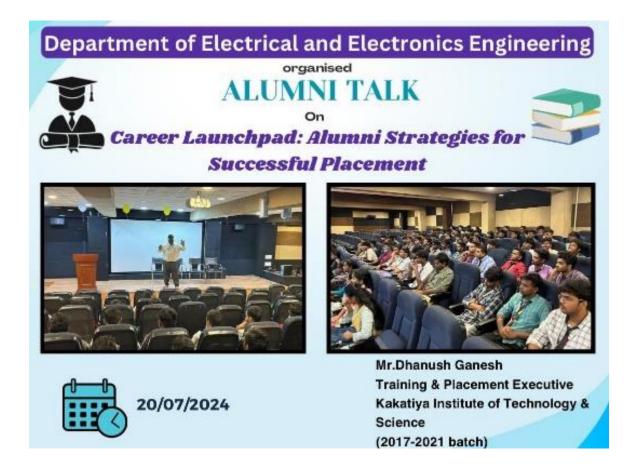
On July 11, 2024, the Department of Electrical and Electronics Engineering organized an inspiring alumni talk for third- and fourth-year students on the topic "Strategies for Scaling Your Business." The session was led by Mr. Tilak S, a successful entrepreneur and founder of Sree Sakthi Power Technologies in Chennai. Mr. Tilak shared his journey of transforming Sree Sakthi Power Technologies from a small startup into a prominent name in the renewable energy sector. He stressed the importance of a solid business foundation, innovative thinking, and strategic planning. Key strategies discussed included leveraging technology for enhanced efficiency, building a robust team, and the critical role of customer feedback in product development. The talk also addressed the challenges encountered during the scaling process and provided insights on overcoming these obstacles through perseverance and adaptability. Mr. Tilak encouraged students to remain resilient, continually learn, and stay informed about industry trends. The session concluded with an interactive Q&A segment, where students engaged with Mr. Tilak and gained valuable insights into the practical aspects of entrepreneurship. The talk was highly appreciated by the students, offering them both motivation and practical strategies to advance their future business ventures.



Mr. Dhanush Ganesh

(Batch 2017 - 2021)

On July 20, 2024, the Department of Electrical and Electronics Engineering hosted an insightful alumni talk titled "Career Launchpad: Alumni Strategies for Successful Placement" for third- and fourth-year students. The session was conducted by Dhanush Ganesh, an esteemed alumnus and the Training and Placement Executive at Kakathiya Institute of Science and Technologies. Dhanush shared his expertise and strategies for securing successful placements, covering essential topics such as resume building, interview techniques, and effective networking. He emphasized the importance of aligning personal skills with industry demands and provided practical tips for navigating the placement process. Outcomes of the talk included increased student awareness of effective job search strategies and enhanced confidence in their placement preparations. The input from Dhanush offered students valuable perspectives on industry expectations and real-world experiences, helping them better prepare for their future careers.



Ms. Sneha B

(Batch 2019 - 2023)

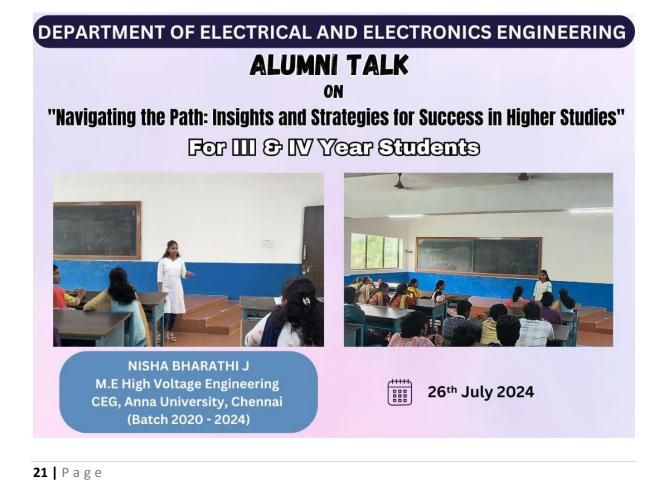
On July 26, 2024, our Department of Electrical and Electronics Engineering organized an alumni talk titled "Tech Careers Unveiled: Alumni Insights on Landing Your Dream IT Job" for III- and IV-year students. The session was led by Sneha B, a distinguished alumna from the 2019-2023 batch, currently working as a Program Analyst at Accenture. Sneha shared her journey from student life to securing a coveted position in a leading IT company. She discussed key strategies for job hunting, crafting impactful resumes, and excelling in technical interviews. Sneha also provided insights into the skills and attributes that top IT firms seek in candidates, along with tips on professional networking and continuous learning. By the end of the session, students gained a deeper understanding of the IT job market, practical strategies for securing their dream roles, and inspiration to pursue their career goals with confidence and determination. This talk aimed to equip students with the knowledge and tools necessary to successfully navigate the competitive landscape of the IT industry.



Ms. Nisha Bharathi J

(Batch 2020 – 2024)

On July 26, 2024, our Department of Electrical and Electronics Engineering organized an alumni talk titled "Navigating the Path: Insights and Strategies for Success in Higher Studies" for III- and IV-year students. The session was led by Nisha Bharathi J, a distinguished alumna from the 2020-2024 batch, who completed her M. E. in High Voltage Engineering from CEG, Anna University, Chennai. Nisha shared her journey through higher education, discussing crucial topics such as selecting the right postgraduate programs, crafting compelling applications, and managing the academic rigor and research demands of advanced studies. She also provided valuable tips on balancing academic responsibilities with personal growth and career planning. Drawing from her own experiences, Nisha offered practical advice and motivational insights. By the end of the session, students gained a deeper understanding of the pathways available in higher education, practical strategies for overcoming common challenges, and the inspiration to pursue their academic and career ambitions with renewed vigor. This talk aimed to equip students with the knowledge and confidence needed to successfully navigate the complexities of higher education.



Editorial

Staff Editorial

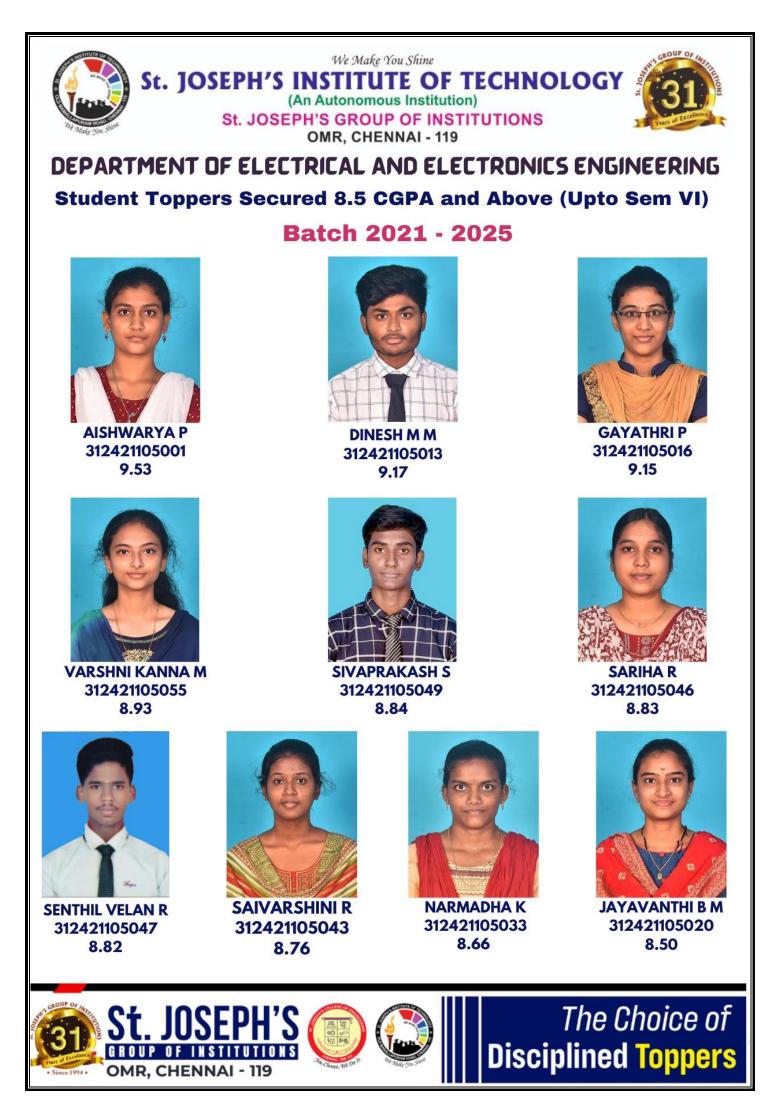
- 1. Dr. D. Kirubakaran
- 2. Dr. S. Hemalatha
- 3. Mr. R. Manivannan
- 4. Mr. I. Cephas
- 5. Mr. S. Karthick
- 6. Dr. P. Nisha
- 7. Dr. N. P. Gopinath

Student Editorial

- 1. Gayathri K U
- 2. Kamlesh J
- 3. Shriraam R R

Photography

1. John Roy S





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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



Subasri S S 312422105049 8.55

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Kamlesh J 312422105023 8.51









DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **Batch Toppers Upto Sem VIII (Batch 2020 - 2024)**

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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





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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.
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