



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)

(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH 'A' GRADE)

MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWSLETTER "ELECTIC"

EVEN SEMESTER



December 2024 – March 2025



Volume-10 | Issue-23



***"Empowering Minds,
Electrifying Futures"***



INNOVATE



INTEGRATE



INSPIRE



ILLUMINATE

TOGETHER, WE POWER TOMORROW



SRI MANAKULA VINAYAGAR

ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)



INSTITUTE VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

INSTITUTE MISSION



M1: Quality Education: To provide comprehensive academic system that amalgamates the cutting-edge technologies with best practices.



M2: Research and Innovation: To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.



M3: Employability and Entrepreneurship: To inculcate the employability and entrepreneurial skills through value and skill-based training.



M4: Ethical Values: To instil deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



DEPARTMENT VISION

To promote proficiency in the field of Electrical and Electronics Engineering by creating a stimulating environment for research, innovation and entrepreneurship

DEPARTMENT MISSION



M1: Quality Education: To impart high quality technical education with problem solving capabilities by innovative pedagogy in emerging technologies.



M2: Industrial and Societal Needs: To cater the dynamic needs of the industry and society by strengthening industry-institute interaction.



M3: Research and Innovation: To nurture the spirit of research attitude by carrying out innovative technologies pragmatically.



M4: Placement and Entrepreneurship: To inculcate the professionalism in career by advancing synergetic skills to compete in the corporate world.



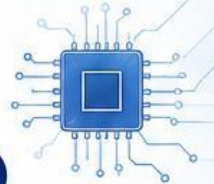
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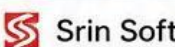
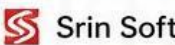


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING NEWSLETTER "ELECTIC"

EVEN SEMESTER



CAMPUS PLACEMENT SUMMARY (DEC 2024 – MAR 2025)

Sl.No	Company Logo	Company Placed	Package (LPA)	Count
1		KARR Technology	6.50 LPA	1
2		Eaton	4.50 LPA	4
3		HSBC	4.50 LPA	3
4		Emerson	5.00 LPA	2
5		Hexaware	4.00 LPA	4
6		Srin Soft	4.00 LPA	1
7		Schiller	3.60 LPA	1
8		TCS NINJA	3.36 LPA	7
9		Srin Soft	3.00 LPA	11
10		Avalon	3.00 LPA	3
11		MaxEye Technologies	3.20 LPA	2
12		Magna	2.76 LPA	2
13		Delphi-TVS Technologies	2.22 LPA	13
14		SPK Infra Private Limited	2.40 LPA	10
15		M/s.Pyung Hwa India Pvt Ltd.	3.21 LPA	10
16		NISSI Engineering Solution Pvt Ltd	3.60 LPA	12
17		Integra Software Services Pvt Ltd	2.15 LPA	7
18		Lucas TVS	2.15 LPA	3
TOTAL				96

*Congratulations to all the students
for their outstanding achievements!*



INNOVATE



INTEGRATE



INSPIRE



ILLUMINATE

EMPOWERING MINDS, ELECTRIFYING FUTURES

INTERNSHIP ACHIEVEMENTS

★ EMPOWERING TALENT. BUILDING FUTURES. ★

*Proud of our students for taking the first step towards
a successful career!*

S.No.	Internship Companies		No. of Students
1.	 EMERSON.	Emerson India Private Limited	02
2.	 HEXAWARE	Hexaware Technologies	03
3.	 KARR Technology	Kaar Technologies	01
4.	 Lucas  TVS	Lucas Tvs Ltd.,	03
5.	 MaxEye TECHNOLOGIES	Maxeye Technologies Private Limited	02
6.	 SCHILLER The Art of Diagnostics	Schiller Healthcare India Pvt. Ltd	01
7.	 Srin Soft	Srin Soft Technologies Pvt. Ltd	12
8.		Online Internships	63



**TOTAL INTERNSHIP OPPORTUNITIES
SECURED BY OUR STUDENTS:**

87



LEARN



GROW



ACHIEVE



SUCCEED

Dream. Intern. Achieve.

★ WE ARE PROUD OF YOU! ★



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

EMPOWERING MINDS. ENABLING INNOVATION. ELECTRIFYING THE FUTURE.

Industry Connect | Student Growth | Research Excellence



GUEST LECTURE



Mr. Mohanraaj, Associate Software Engineer at Metasoft, Bangalore, delivered an engaging guest lecture on "5G Technology and its applications in EEE" for the students of Electrical and Electronics Engineering. The session highlighted the fundamentals of 5G, its role in smart grids, automation, and IoT, and the opportunities it creates for future advancements in the electrical domain.

TECHNICAL TALK FOR STUDENTS



On 07.01.2025, third-year students from the Department of EEE attended a guest lecture on "How to Write a Technical Paper and How to Choose a Good Conference" organized by the IEEE committee of our college. The resource person provided detailed insights into planning research work, structuring papers effectively, using proper citations, and adhering to publication ethics. The session also guided students on identifying high-quality conferences, understanding indexing, and avoiding predatory journals, thereby equipping them with essential skills for academic and professional research success.

HANDS-ON WORKSHOP



A Hands-on Workshop on "Battery Modelling for Electric Vehicles" was conducted on 14th February 2025 by Sri Manakula Vinayagar Engineering College in collaboration with the Customer Success Engineer from MathWorks, Chennai. The Staff Development Programme engaged faculty members from various engineering departments in exploring key aspects of lithium-ion battery technology for electric vehicles, with emphasis on interdisciplinary challenges in battery modelling by integrating concepts from chemical, electrical, and electronics engineering for enhanced understanding and performance optimization.

OUR FOCUS AREAS



INNOVATIVE
LEARNING



INDUSTRY
COLLABORATION



RESEARCH &
PUBLICATIONS



SKILL
DEVELOPMENT



SUSTAINABLE
FUTURE



AWARENESS SESSION ON TECHNICAL EVENTS

An awareness session on technical events was conducted to enlighten students about various opportunities for skill enhancement, innovation, and industry interaction. The session provided insights into the importance of participating in competitions, workshops, and hackathons, highlighting how these platforms help bridge the gap between academic learning and real-world applications. Students were encouraged to actively engage in such events to build confidence, network with industry professionals, and showcase their technical expertise.



SESSION ON CAREER OPPORTUNITIES

Mr. J. Muruganandham, Assistant Professor, Department of EEE, delivered an insightful session outlining the various career opportunities available to incoming students. He highlighted emerging trends in the electrical and electronics field, pathways for higher studies, competitive exams, and core as well as interdisciplinary job prospects. The session motivated students to set clear goals, develop relevant skills, and actively seek opportunities to shape a successful professional journey.



CIRCUIT DEBUGGING EVENT

On 03.02.2025, first-year students from the Department of EEE enthusiastically participated in the Circuit Debugging event organized by the IEEE committee of our college. The event tested students problem-solving skills, logical thinking, and knowledge of basic electrical circuits. It provided a great platform for budding engineers to enhance their practical skills and teamwork.



OUTCOMES

- Students gained awareness about various technical events and their benefits.
- Students understood the scope of career opportunities in the EEE field.
- Participants enhanced their practical skills and problem-solving abilities through the Circuit Debugging event.



LEARN • ENGAGE • EXCEL

CLUB ACTIVITIES

Institution of Engineers of India (IEI) ACTIVITIES

LEARN | ENGAGE | INNOVATE | SUCCEED



DISPLAY OF TECHNICAL INFORMATION – IEEE JOURNAL PAPER



Under the Institution of Engineers (India) Student Chapter, a “Display of Technical Information – IEEE Journal Paper” session was conducted on 22.02.2025 for third-year students. During the session, third-year student **R. Sanjay** explained the process of selecting a suitable title for the upcoming final-year project and also discussed an IEEE journal paper in detail. The students from Third Year B Section actively participated in the session and clarified their doubts through interactive discussions.



LECTURE ON “HOW TO PREPARE FOR THE UPCOMING PLACEMENTS”



A lecture on “How to Prepare for the Upcoming Placements” was conducted on 22.02.2025 for Third Year **A Section students** as part of the Technical Information session. The lecture focused on placement preparation strategies, interview techniques, aptitude preparation, communication skills, and guidelines to follow during the recruitment process. Students actively participated in the session and clarified their doubts through interactive discussions.



SEMINAR ON “ARTIFICIAL INTELLIGENCE IN ELECTRICAL ENGINEERING”



A seminar on “Artificial Intelligence in Electrical Engineering” was conducted on 08.02.2025 for Third Year A section students. The session was led by final-year student **R. Jothikrishnan**, who discussed the role of Artificial Intelligence in various electrical engineering domains, ranging from power system management to electronics manufacturing. The seminar enhanced students’ awareness of emerging AI technologies and their applications in modern engineering systems.



TECHNICAL/PROJECT DEMONSTRATION ON “AUTO CAD ELECTRICAL”



The Institution of Engineers (India) Student Club of the Department of Electrical and Electronics Engineering conducted a Technical/Project Demonstration on “**AUTO CAD Electrical**” software on 08.02.2025. The activity provided third-year **B Section students** with practical exposure to industry-relevant electrical design software and enhanced their knowledge of electrical drafting, circuit design, and software applications used in the electrical engineering industry.

HIGHLIGHTS OF IEI ACTIVITIES



STUDENT ENGAGEMENT

Encouraging active participation and knowledge sharing.



TECHNICAL LEARNING

Exposure to latest trends and engineering applications.



PRACTICAL EXPOSURE

Hands-on sessions and demonstrations for better understanding.



AWARENESS BUILDING

Creating awareness on emerging technologies and career opportunities.



SKILL DEVELOPMENT

Enhancing technical, communication and problem-solving skills.



LEARNING TODAY | LEADING TOMORROW | POWERING THE FUTURE

*Together, we innovate.
Together, we inspire.*

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ENGAGING MINDS. ENRICHING SKILLS. EMPOWERING FUTURES.



DESIGN & CONSTRUCTION ACTIVITY



Third-year students from the Department of Electrical and Electronics Engineering at Sri Manakula Vinayagar Engineering College demonstrated exceptional skills in circuit design and construction by successfully developing a Zero Current Detector Circuit and a Firing Circuit, showcasing their practical knowledge, technical creativity, and hands-on engineering capabilities.



Skill and documentary sessions were conducted at Sri Manakula Vinayagar Engineering College to encourage student creativity, social awareness, and active participation through engaging performances and thought-provoking team presentations. The sessions enhanced students' communication skills, teamwork, and critical thinking abilities.



DEBATE & GROUP DISCUSSION



The Debate and Group Discussion session conducted at Sri Manakula Vinayagar Engineering College fostered meaningful interactions among students, encouraging them to express their views on contemporary topics. The activity promoted active participation, critical thinking, and teamwork, thereby enhancing their communication, analytical, and leadership skills.



ALUMNI INTERACTIONS



The Department of EEE organized a guest lecture on "Exploring Embedded Systems in Electric Vehicles" by our Alumni Er. Siva Karthik B.E. (Electrical), Emversun Emerald Pvt. Ltd. Guindy. The session covered the role of embedded systems in EV control, battery management, and performance optimization. Students gained valuable insights, design challenges, and the latest technological advancements driving the electric vehicle industry.

IMPACTING STUDENTS. BUILDING FUTURES.



PRACTICAL LEARNING

Hands-on activities improve concept understanding and technical proficiency.



ACTIVE PARTICIPATION

Encourages teamwork, confidence, leadership, and communication.



CRITICAL THINKING

Debates and discussions enhance analytical and problem-solving skills.



INDUSTRY CONNECT

Alumni interactions provide real-world exposure and career guidance.



HOLISTIC DEVELOPMENT

Nurturing technically competent and socially responsible engineers.



LEARN | ENGAGE | INNOVATE | SUCCEED

Together, we innovate. Together, we inspire.



All India Council for Technical Education



ACHIEVERS PAGE



AICTE IDEA Lab



Mukeshkumar R, Arockia Anandu Prasanthu A, and Lalith Kumar S, third-year students from the Department of Electrical and Electronics Engineering at **Sri Manakula Vinayagar Engineering College**, secured the First Prize with a cash award of ₹1,00,000/- at the **AICTE IDEA Lab Tech Fest 2025** held on 08.03.2025 at All India Council for Technical Education Headquarters, New Delhi. Among more than 86 participating institutions, the team showcased three innovative projects — **Exbo Rest**, **Chlorine Kit**, and **Safe Mate** — developed under the AICTE-funded IDEA Lab initiative, demonstrating innovation and interdisciplinary problem-solving skills.

CELEBRATING EXCELLENCE BEYOND CLASSROOMS



Students from department of EEE participated in various **Sports** events and won medals and prizes organized by various institution in the academic year **2024-25**.



WELL DONE TEAM!

Your innovation and teamwork make us proud.



Let's continue to innovate, collaborate and create impact for a better tomorrow!

INDUSTRY COLLABORATIONS

MoU	PARTNERSHIP	SPONSORED LAB
TVS Training & Services 	MathWorks Faculty Development Programme (FDP) and student training sessions on Onramp Courses were conducted through ARK Infosolutions Pvt. Ltd. to enhance technical proficiency in MATLAB, Simulink, and emerging engineering applications. 	AICTE-India The Department of Electrical and Electronics Engineering established an All India Council for Technical Education sponsored MODROB Laboratory with advanced facilities including Electric Machine Analysis setup, IoT Kits, BLDC Controller, and PLC systems. The laboratory enhance students' practical learning, research capabilities, and hands-on experience in modern electrical engineering and industrial automation technologies. 

RECRUITERS & FUTURE PLANS

TOP RECRUITERS



and many more...

Future plan



Increase internship opportunities through industry partnerships and **MoUs**.



Encourage students to participate in research, innovation, hackathons, and startup activities.



Conduct industry-oriented workshops, certification courses, and industrial visits regularly.



Improve placement in multinational and product-based companies with higher salary packages.



Promote entrepreneurship and interdisciplinary project development among students.

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DEDICATION | TEAMWORK | EXCELLENCE