

DEPARTMENT OF
INFORMATION TECHNOLOGY

NEWS
LETTER



SERVICE
EXCELLENCE
CHARACTER

2025 - 26 ODD SEM



<http://erode-sengunthar.ac.in>

INSTITUTION'S

& VISION

MISSION



VISION

Vision of Erode Sengunthar Engineering College is to become a World Class Technical Institution and Scientific Research Centre for the Benefit of the Society.

MISSION

IM1 : Create Positive difference to Society through Innovative Teaching–Learning Process.

Im2 : Impart Value Based Technical Education to the Students from across various Socio-Economic backgrounds.

Im3 : Build State of art infrastructure for high quality Research and Development capabilities on par with the finest in the Globe and widen student's horizons beyond Class Room.

Im4 : Bring out Competent, Ethically Strong and Quality Professionals.

DEPARTMENT'S



VISION

MISSION



MISSION



DM1: To enhance the problem solving skills of the students to build their excellence in providing hardware, software based solutions in Information Technology arena.

DM2: To promote students with tools to become a prolific, responsible global citizens and lifelong learners.

DM3: To create an inquisitiveness in research with a need based quality training.

Dm4: To develop highly skilled, vibrant, and exceptionally talented graduates to the industries with a strong ethical foundation.

VISION

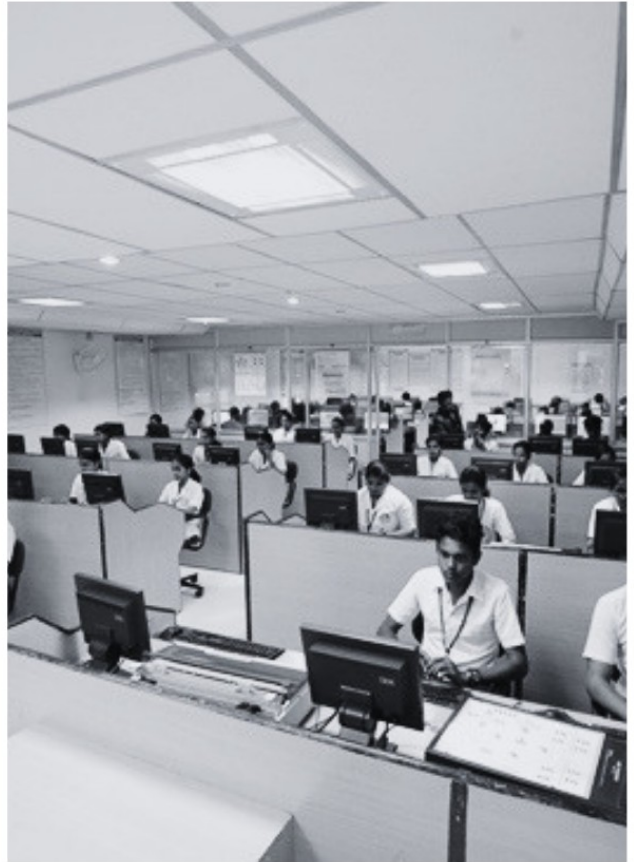
To emerge as a Centre of Excellence with an open growth to foster a groomed professionally competent and socially responsible IT intellectual graduates in facing dynamic and diversified unexpected challenges in the technical advancement of Information and Communication Sphere.

PROGRAM EDUCATIONAL OBJECTIVES

PEO's

PEO-I : Preparation : To be skilled in the usage of modernized tools for solving critical and sensitive Information Technology and Communication Challenges through creativity and durability.

PEO-II : Core Competence and Professionalism : To be able to impart extensive range of Information Technology related problems in order to tailor the essentials of Industry, Entrepreneurship and Research.



PEO-III : Breadth : To nurture with an effectual leadership, good managerial and soft skills among multi- disciplinary teams thereby making a positive vibration on the global environment and society.

PEO- IV : Learning Environment : To explore systematic decision making and problem solving abilities by applying innovative and sustainable principles to the real time challenges through moral ethics and professional approach.

PROGRAM OUTCOMES

PO's

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
4. Conduct investigation of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.



PROGRAM SPECIFIC OUTCOMES **PSO's**

PROGRAM SPECIFIC OUCOMES(PSOS) Statistical Base Knowledge : Design and develop algorithms and applications by applying mathematical knowledge and systematic principles in the field of Information Technology to meet industrial needs. Advanced Technical Skills : Effective and in-depth knowledge of latest developments such as Artificial Intelligence, Data Science, Machine Learning, Web Technologies, Cyber security and IOT etc . in the domain of Computer Communication Networks . Personality Development : Comprehend suitable current practices followed in Information and Communication Engineering by incorporating ethical principles into the user environment and expose Teams Sprit and Leadership Qualities.

Life-long learning : Recognize the need for, and have the preparation and ability to engage in independent and life long learning in the broadest context of technological changes.

Statistical Base Knowledge: Design and develop algorithms and applications by applying mathematical knowledge and systematic principles in the field of Information Technology to meet industrial needs.

Advanced Technical Skills: Effective and in-depth knowledge of latest developments such as Artificial Intelligence, Data Science, Machine Learning, Web Technologies, Cyber security and IOT etc. in the domain of Computer Communication Networks.

Personality Development: Comprehend suitable current practices followed in Information and Communication Engineering by incorporating ethical principles into the user environment and expose Teams Sprit and Leadership Qualities.



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COLOPHON

For Backend & Editors





From

DEAN



The Department of Information Technology equips students with the ability to apply their knowledge of Information Technology to work efficiently in multidisciplinary teams and practice engineering with ethical approaches. The Department has excellent lab facilities which are being upgraded from time to time and provide ample opportunities for students to learn and innovate. Students apply recent trends in Information Technology such as Artificial Intelligence, Data Analytics, Blockchain Technology, Internet of Things, Social Networks, and Cyber Forensics to develop innovative projects and solve real-world problems in Agriculture, Health care, Environmental Science, Telecommunications and Supply Chain sectors. The department as a team of committed and dedicated faculty as its core strength in providing education with professional standards to the enthusiastic and vibrant student community. Faculty members graduate students to be globally recognized as innovative computing professionals. They adopt improved methods of teaching and learning processes to achieve learning abilities through practice, exposure, and motivation.

EDITORIAL BOARD

From the team of backend and Contributors

STAFF EDITOR



Parameshwari, serving as Staff Editor, played a key role in shaping the semester magazine by guiding students in content creation, editing, and formatting. She ensured clarity, consistency, and quality across articles, while mentoring contributors in newsletter preparation, encouraging creativity, and maintaining high editorial standards throughout the publication process.

STUDENT EDITORS

LOGA PRIYAN

ES24IT61

BHAIRAV

ES24IT20

DHILIPAN

ES24IT30

SPECIAL events

Spotlight on summary of events in 2025 - 26

What No One Teaches You

Inauguration and Guest Lecture

The inauguration featured an inspiring guest lecture by Mr. Gowtham Krishnamoorthy, Founder & CEO of Nutz Technovation Pvt Ltd., Erode. The session was highly interactive, focusing on real-world challenges, mindset development, and skills beyond academics. He shared practical insights on entrepreneurship, adaptability, and industry expectations. Students gained valuable exposure to essential life and career skills often not covered in classrooms, motivating them to think beyond traditional learning.



Oracle PL/SQL

Seminar on Career Excellence

This seminar was handled by Mr. M. Balakumaran, PL/SQL Developer at Imagine Tech, Chennai. He focused on bridging academic learning with industry practices using Oracle PL/SQL. The session included practical demonstrations and real-world scenarios, helping students understand database management and development. It improved their technical skills, problem-solving ability, and awareness of career paths in database technologies and software development.

Engineering Innovation

Seminar on SAP Fundamentals

The seminar was delivered by Mr. K. Sasidharan, Software Engineer at Microsoft, Bangalore. He explained SAP architecture, modules, and developer perspectives with real-time examples. The session provided students with a clear understanding of enterprise systems and their role in modern industries. It enhanced their knowledge of software integration, business processes, and career opportunities in SAP, helping bridge academic concepts with industry applications.



Palakarai, Tamil Nadu, India
Palakarai, Tamil Nadu 638057, India
89° Long 77.553806°
9/03/2026 10:23 AM GMT +05:30

FACULTY

Achievements & Contributions

Abinaya M gained expertise in semiconductor design for AI applications, understanding hardware integration, real-world system design, and efficient implementation of intelligent technologies.

Abinaya M explored smart healthcare technologies integrating AI, IoT, and cybersecurity, enhancing knowledge in secure, intelligent, and real-time healthcare system development.

Abinaya M explored smart transportation and autonomous technologies, enhancing understanding of mobility solutions, intelligent systems, and real-world applications in modern transportation networks.

Abinaya M gained knowledge in intellectual property portfolio management, understanding patent processes, innovation protection, and legal aspects of technology development.

Parameshwari V enhanced her expertise in data structures and algorithms through this FDP, strengthening problem-solving skills and applying efficient computational techniques in academic and practical scenarios.

Parameshwari V gained insights into integrating IoT and AI for predictive healthcare, improving her understanding of smart diagnostics, real-time monitoring, and advanced healthcare technologies.

Parameshwari V explored transformer architectures and generative AI concepts, enhancing her knowledge of modern deep learning models and their applications in natural language processing and AI systems.

Parameshwari V developed knowledge on applying AI in agriculture, focusing on improving productivity, sustainability, and data-driven decision-making for real-world farming challenges.

Parameshwari V gained awareness of microplastics as pollutants, understanding analytical techniques and monitoring strategies to address environmental challenges and promote sustainable practices.

Parameshwari V learned the fundamentals of using AI tools like Perplexity for structured content creation, enhancing her skills in writing, research, and efficient information organization.

FACULTY

Achievements & Contributions

Narendran R enhanced knowledge in AI, IoT, and cybersecurity applications in healthcare, focusing on intelligent, secure, and real-time medical systems.

Narendran R learned AI-assisted content creation using Perplexity, improving research, writing efficiency, and structured information development skills.

Narendran R developed advanced knowledge in neural networks for medical imaging, focusing on multiclass segmentation techniques for accurate dental lesion identification.

Tamilvanan K enhanced his understanding of quantum-aware VLSI design, gaining insights into advanced chip design concepts, future trends, and efficient hardware system development.

Tamilvanan K developed knowledge in AI applications for innovation and industry growth, focusing on self-reliance, emerging technologies, and inclusive development through intelligent systems.

Tamilvanan K explored the integration of quantum computing and machine learning, strengthening his knowledge of intelligent systems, computational models, and advanced problem-solving techniques.

Tamilvanan K gained exposure to modern engineering practices in materials, design, and manufacturing, improving his understanding of innovative techniques and industry-oriented applications.

Tamilvanan K enhanced understanding of AI for innovation and industry growth, focusing on self-reliance, technological advancement, and inclusive development.

Raja K explored data-driven approaches, strengthening knowledge in data science, analytics, and decision-making for academic and research excellence.

Raja K developed awareness of microplastics, focusing on analytical methods and environmental monitoring for sustainable and eco-friendly solutions.

Raja K explored data-driven approaches, strengthening knowledge in data science, analytics, and decision-making for academic and research excellence.

FACULTY

Achievements & Contributions

Prasanth T enhanced knowledge in AI and ultra wideband technologies, gaining insights into next-generation 6G communication systems, improving understanding of advanced wireless innovations.

Vijaybabu D developed foundational knowledge in quantum programming, exploring quantum concepts, algorithms, and computational models to strengthen expertise in emerging computing paradigms.

Vijaybabu D explored quantum communication concepts, enhancing knowledge of secure communication systems and advanced quantum networking technologies.

Prasanth T gained insights into integrating AI with bioinformatics, enhancing interdisciplinary knowledge, research skills, and understanding of intelligent systems for advanced scientific and healthcare applications.

Prasanth T explored AI-driven automation in blockchain-enabled IoT networks, strengthening knowledge in decentralized systems, smart ecosystems, and secure data-driven technological innovations.

Prasanth T participated in Zylaa 2025, enhancing leadership, communication, and teamwork skills while engaging in activities focused on personal development and social responsibility.

Prasanth T presented an innovative exam hall seat management system, improving organizational efficiency, automation, and problem-solving skills in handling real-time academic logistics.

Prasanth T developed a smart campus connect solution, focusing on digital integration, efficient communication, and automation to improve campus management and student experience.

Prasanth T worked on the Namma TN Scheme, applying technical knowledge to address real-world problems, promoting sustainability and innovation in public service and governance systems.

Prasanth T designed a location-based food and native snack delivery system, enhancing user convenience, supporting local businesses, and applying innovative solutions to real-world challenges.

Prasanth T developed a student assessment and selection portal, improving efficiency in evaluation processes, decision-making, and automation of academic and recruitment workflows.

FACULTY

Achievements & Contributions

Dhanapal M gained insights into AI applications in mechanical engineering, improving understanding of automation, predictive systems, and intelligent manufacturing processes.

Mohanapriya P gained insights into quantum-aware VLSI design, enhancing knowledge of modern chip design techniques and future trends in semiconductor technologies.

Mohanapriya P developed skills in analyzing and calibrating electronic equipment, improving laboratory accuracy, troubleshooting ability, and technical expertise.

Muthusamy S gained insights into outcome-based education using AI tools, improving teaching strategies, learning assessment, and achieving excellence aligned with NIRF standards.

Muthusamy S gained knowledge in IoT concepts, enhancing skills in smart devices, connectivity, and real-world applications of embedded systems.

Muthusamy S enhanced teaching methodologies using AI tools like ChatGPT, improving lesson planning, research support, and student engagement.

Parameshwari V gained knowledge of AI tools in education, improving teaching effectiveness, content delivery, and student learning experiences.

Dhanapal M developed expertise in software testing methodologies, improving skills in quality assurance, debugging, and reliable software development practices.

Dhanapal M gained expertise in agentic AI and prompt engineering, improving teaching, research capabilities, and effective utilization of next-generation AI tools.

Dhanapal M developed expertise in cybersecurity for Industry 4.0 and 5.0, focusing on protecting critical infrastructure and securing advanced digital ecosystems.

Dhanapal M explored AI, IoT, and cybersecurity integration in healthcare, enhancing knowledge of secure and intelligent medical systems.

Dhanapal M enhanced knowledge in smart mobility systems, focusing on autonomous technologies and innovative transportation solutions for modern infrastructure development.

FACULTY

Achievements & Contributions

Padmapriya D gained knowledge in integrating AI, IoT, and adaptive antennas, enhancing expertise in high-performance communication systems and advanced networking technologies.

Padmapriya D developed understanding of cybersecurity principles, focusing on protecting systems, networks, and data in modern digital environments.

