



**J.J. COLLEGE OF ENGINEERING
AND TECHNOLOGY** COUNSELLING 3807
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SOWDAMBIKAA GROUP OF INSTITUTIONS



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



INSTITUTION MAKING STUDENTS READY FOR “INDUSTRY 4.0”

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the **EDITORIAL** board



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VISION



To provide the quality Education in Computer Science and Engineering and to mould the Students into self-confident and professionally competent individuals

MISSION



- To produce successful graduates enriched with professional and leadership capabilities
- To impart the skills necessary and to continue education and grow professionally
- To inculcate strong ethical and human values
- To establish a research center in Computer Science and Engineering
- To contribute towards empowering the rural youth with computer education

Program Educational Objectives

PE01 :

Apply their technical competence in computer science to solve real world problems, with technical and people leadership.

PE02 :

Conduct cutting edge research and develop solutions on problems of social relevance.

PE03 :

Work in a business environment, exhibiting team skills, work ethics, adaptability and lifelong learning.

PROGRAM OUTCOMES (PO's)

P01 ENGINEERING KNOWLEDGE:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

P02 PROBLEM ANALYSIS:

Identify, formulate, review research literature, and analyze complex engineering mathematics, natural sciences, and engineering sciences.

P03 DESIGN/DEVELOPMENT OF SOLUTIONS:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

P04 CONDUCT INVESTIGATIONS 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

P05 MODERN TOOL USAGE:

Create, select, and apply appropriate techniques, resources, and modern engineering and communication tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

P06 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.

PROGRAM OUTCOMES (PO's)

P07 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

P08 ETHICS:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P09 INDIVIDUAL AND TEAM WORK:

Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings

P010 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.

P011 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

P012 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 change.

Program Specific Outcomes

PSO1

Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.

PSO2

Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.

PSO3

Ability to work effectively with various engineering fields as a team to design, build and develop system applications.



J. J. College of Engineering and Technology has been officially recognized as the “National Cyber Security Research & Development Centre”

STUDENTS' ACHIEVEMENTS



The team "SHE HACKS" of II year / CSE have participated and won the cash prize of Rs.10,000/- in the Tamilnadu State Level Women's Hackathon



Students of II year / CSE have participated in the Debugging event and won II prize in the Technical competition organized by the Department of Artificial Intelligence and Data Science & Department of Cyber Security, Dhanalakshmi Srinivasan Engineering College, Perambalur on the occasion of National Level Technical Symposium - ARSTETICA 2k25 on 23rd April 2025

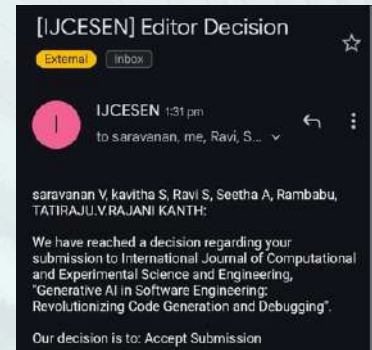


Mr. S. Udhayakumar, III year / CSE has passed the HackerRank skill certification test on JavaScript (Basic)

FACULTY MEMBER'S ACHIEVEMENTS



Mrs. S. Kavitha, AP/CSE has published a paper entitled "Generative AI in Software Engineering: Revolutionizing Code Generation and Debugging" in the International Journal of Computing and Experimental Science and Engineering (IJCESEN) - Scopus Indexed Journal.



Dr. P. Chellammal, Professor / CSE served as a Session Chair for the 7th International Conference on Artificial Intelligence, Data Science, and Cyber Security, held on 4th April 2025 at Indra Ganesan College of Engineering, Trichy.



Ms. P. Saranya, AP / CSE has participated and presented "Advancing Cybersecurity: Emerging Technologies, Challenges and Future Perspectives" in the 7th International Conference on "Artificial Intelligence, Data Science and Cyber Security" held on 3rd and 4th April 2025

Mrs. J. S. Jaslin, AP/ CSE has participated in the six days workshop on "Quantum Artificial Intelligence and High Performance Computing for Next-Generation Industries" from 21st to 26th April, 2025 organized by the Department of Neural Networks, Programme of Computer Science and Engineering, SIMATS Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai.

