



SRI SHANMUGHA
COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous institution



TECHCHRONICAL

First Edition

(July - Dec 2023)

**Department of
Information Technology**



INFORMATION TECHNOLOGY

ABOUT THE DEPARTMENT

The Department of Information Technology was established in 2021 with the objective of imparting quality education in the field of Information Technology. The department is augmented with qualified faculty with rich teaching experience. The Department has well established lab facilities with advanced software suited to the syllabus prescribed by the University. Faculty and students have been doing research in the areas like IoT, Data Analytics, Full stack Development, Image Processing, Network security, Mobile Ad-hoc Networks etc. The Department is adopting a new innovative teaching methodology to meet PEOs (Programme Educational Objectives). The class rooms are well equipped with all modern electronic audio-visual facilities to cater to the academic needs of students and staff. Our students have undertaken internships in many reputed MNCs.



HIGHLIGHTS



VISION AND MISSION OF THE DEPARTMENT

VISION

To create a conducive environment for the development of academic and innovative technocrats employable at the global level, socially responsible and professionally competent to sustain the challenges.

Mission

M1: To develop competent and quality IT professionals by imparting state-of the art technology learning methodologies.

M2: To enrich the knowledge of the students through value-based education.

M3: To promote Industry – Institution relationships among the students to become more employable and better citizens to solve societal issues.

M4: To constantly upgrade the Faculty qualification with cutting edge technology to achieve high status in technical and research areas.

EDITORIAL TEAM

Managing Editors

V.Sangeetha
B Tech IT-IIIYEAR



M.Sowmiya
B Tech IT-IIIYEAR



B.Rohini
B Tech IT-IIIYEAR



S.Hemamalini
B Tech IT-IIIYEAR



Associate Editors

Dr.K.Muthukannan
Head of Department

Mr.S.Balaji
Assistant Professor

PEOs & POs

Program Educational Outcomes (PEOs)

PEO 1. To ensure graduates will be proficient and core competent by utilizing the fundamental knowledge of Basic Sciences, Engineering, Mathematics and Information Technology for the applications of various Engineering and Technology disciplines.

PEO 2. To enable graduates to think logically and will have the capacity to understand the social, business, environmental based hardware and software issues by designing optimal solutions through lifelong learning.

PEO 3. To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.

PROGRAM OUTCOMES (POs)

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. 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.

PO3. 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.

PO4. 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.

PO5. 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.

PO6. 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.

GLIMPSES OF 2023 - 24

WEBINAR



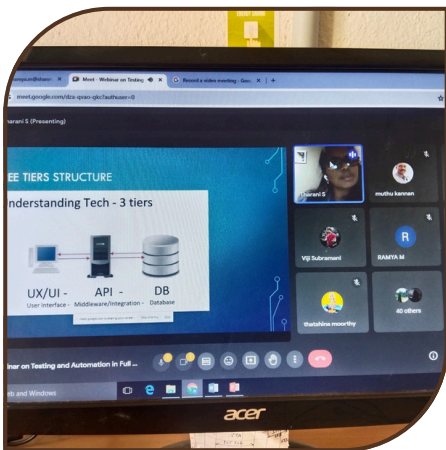
EMERGING RESEARCH IN INFORMATION TECHNOLOGY

The Chief Guest delivered plenty of information to students about cloud, mobile and Fog Computing Technologies to gain the insights of Basic Technology like IoT, BlockChain and CyberSecurity.



TESTING AND AUTOMATION IN FULL STACK DEVELOPMENT

This Session delved into an Evolution of Software Development model, WaterFall Model, Agile Approach and Devops CI/CD Approach. The chief guest evaluated how to create own Git Portfolio to showcase the Skills and Build interactive & user friendly applications that provide a smooth and Dynamic user experience.



CODE DEBUGGING



CODE DEBUGGING CONTEST

Department of IT Conducted Code Debugging Contest for II year CSE, IT and AI&DS Students. In this event more than 60 students were participated. In that we have given the Basic C and Python question. Then we shortlisted & announced the Prize winner and we generated a E- Certificate for all Participants and Prize winner.



INTERNS @IT



Sangeetha V
III - IT
FintechGie



ASWINRAJ G.K
III - IT
IN22LABS



Swetha v
III - IT
IN22LABS



Karthiga N
III - IT
IN22LABS



Srimathi N
III - IT
IN22LABS



Meshach Immanuel S
III - IT
POPULAR SYSTEM



Ranganayagi S
III - IT
POPULAR SYSTEM



Oviya M
III - IT
IAGAMY



Srinithesh A
III - IT
IAGAMY



Arumughapandi T
III - IT
IAGAMY



Dhanush P
III - IT
IAGAMY



Logeshwari G
III - IT
IAGAMY



Ravichandiran N
III - IT
IAGAMY



Ajay v
III - IT
YOHO



Ramanan G.V
III - IT
YOHO



udhayakumar B
III - IT
YOHO



STUDENT ACHIEVEMENTS



NCC



In 2023, P.CHANDERVEL attended an NCC camp at Tamil Nadu Agricultural University, Coimbatore. He also participated in NCC RDC Cultural events in 2023 and 2024 at Kongu Engineering College, where he was awarded a gold medal for his cultural performance.



NPTEL



Seven of our students successfully attended the NPTEL course titled "Cloud Computing." Among them, five students achieved elite status, while two students completed the entire course.

SEMRUSH



54 Students have completed a SEO Principles on Semrush and our students enhance their digital marketing strategies.



SEMRUSH