


## Sri Sai Ram Engineering College

<b>Name:</b> Mrs. P. Thenmozhi	
<b>Designation:</b>	Assistant Professor
<b>Qualification:</b>	M.Tech,Ph.D*
<b>Area of Specialization:</b>	Networks, Cyber Security & Machine Learning
<b>Experience:</b>	Teaching- 7yrs
	Industry/Polytechnic: NA
<b>Number of Workshops/ Conferences/ FDP Attended:</b>	WORKSHOPS-1 FDP-12
<b>Publication:</b>	Journal: National:-- International: 02
	Conference: National:01 International:7

### Experience:

S. No	Name of the Institution	Designation	Department	Period of Experience
1.	Sri Sairam Engineering College, West Tambaram, Chennai	Assistant Professor	Computer Science and Engineering (Cyber Security)	(Nov 2025-till date)
2	Mount Zion College of Engineering and Technology, Pudukkottai	Assistant Professor	Computer Science and Engineering	(Feb 2023-May 2025)
3	Shanmuganathan Engineering college, Pudukkottai	Assistant Professor	Computer Science and Engineering	(July 2018 – Jan 2023)

**Theory Subjects Handled:**

- Problem Solving and python Programming.
- Object Oriented Programming
- Object oriented Analysis and Design
- Internet Programming
- Web Technologies
- Web Application Security
- Artificial Intelligence and Machine Learning
- Operating system
- Computer Networks
- Programming in C
- Software Testing
- Computer Graphics
- Mobile computing
- Adhoc and Sensor Network
- Social Network Analysis

**UG projects Guided:**

S. No	Title of the Project work	Period of Guidance
1.	Ai-Powered Smart Crop Protection System using Visual Sensor Networks and Web-Based Technologies	December 2024 to May 2025
2.	GRAMART:APP for Rural Artisans	December 2023 to May 2024
3.	Gesture Based Virtual Mouse	December 2023 to May 2024
4.	Drowsiness detection and alerting system	February 2023 to May 2023
5.	Smart city waste Management System with connected trashcans	February 2023 to May 2023
6.	Gas Pipeline Monitoring System For hospitals	February 2023 to May 2023
7	IoT based Weather Adaptive Street lighting system	February 2023 to May 2023
8	Intelligent Garbage Classification using Deep learning	February 2023 to May 2023
9	Automated Weather Classification using Transfer Learning	February 2023 to May 2023
10	Digital Energy Meter and Billing System Using Arduino	December 2021 to May 2022

**Workshops Attended:**

- Attended two days workshop on “Simulation of Computer Networks using NS-2” held at Kalasalingam University on 10<sup>th</sup>, 11<sup>th</sup> September 2012

**FDPs/SDPs Attended:**

- Attended one week Faculty Development Programme on “CyberSecurity(CISCO)” conducted by ICT Academy from 15/12/2025 to 20/12/2025.
- Attended a one-week online Faculty Development Programme on “Artificial Intelligence, Machine Learning and Data Science with Research Applications” organized by Department of Computer science and Engineering, MLRIT from 21/07/2025 to 26/07/2025.
- Attended a six days online Faculty Development Programme on “Data Analytics for Smart Mobility” organized by ATAL Academy from 03/02/2025 to 08/02/2025.
- Attended 40 hours Faculty Development Programme on “UI Path Robotic Process Automation” organized by E & ICT Academy from 20/01/2025 to 24/01/2025.
- Attended 5 days Faculty Development Programme on “Innovative Techniques for Crafting and Publishing Research Papers” organized by Department of Electronics and Communication Engineering and R & D cell at Vellammal Institute of Technology from 10/02/2025 to 14/02/2025.
- Attended a 12 week online course and Faculty Development Programme on “Machine Learning and Deep Learning - Fundamentals and Applications” organized by NPTEL-AICTE from July to October 2024.
- Attended a 12 week online course and Faculty Development Programme on “Computer Network and Internet Protocol” with Elite organized by NPTEL-AICTE from Jan to April 2024.
- Attended a 12 week online course and Faculty Development Programme on “Cryptography and Cybersecurity” organized by NPTEL-AICTE from July to October 2023.
- Attended one day online Faculty Development Programme on “AI Tools for Teaching” organized by Star International Foundation for Research and Education on 22/08/2024.
- Attended 10 hours National Faculty Development Programme on “NLP, Computer Vision and Artificial Intelligence” organized by Andhra Pradesh State Skill Development Corporation (APSSDC)-ExcelR from 02/12/24 to 06/12/24.
- Attended 5 days online FDP on “Cloud Computing” and “Big Data” at Panimalar Engineering college.
- Attended 2 days online FDP on “ICT Tools & Innovative Teaching Techniques” at IOT Academy.
- Attended 2 days FDP on “Mobile Application Development” at ICT Academy.

**Publications:**

S. No	Paper Title	Journal Details	Publication details
1	A Survey on AI-Enabled Anomaly Detection with Privacy Preservation in Wireless Sensor Healthcare IoT Environment	IEEE digital library (Scopus Indexed),	<i>doi:</i> <i>10.1109/ROMA66616.2025.11155405.</i> <i>pp. 334-338,</i> <i>August 2025</i>
2	AI-Driven Yoga Practitioner Monitoring System: Real-Time Health Tracking and Cognitive State Assessment Using Smartwatches	Journal of Next Generation Technology	ISSN: 2583-21X, Volume 5, Issue 2, pp. 27–37, April 2025.

**Conference proceedings**

S. No	Title of the paper	Conference Details	Month/Year of Publication
1.	Privacy-Preserving Multimodal Diagnostic Framework for VSH-IoT Using Differential Privacy and LSTM-Gated GAN	2025 IEEE 1 <sup>st</sup> International Conference on Advancement in Futuristic Technologies (ICAFT), SG Balekundri Institute of Technology, Belagavi, Karnataka, India.	December 2025
2	A Survey on AI-Enabled Anomaly Detection with Privacy Preservation in Wireless Sensor Healthcare IoT Environment	<i>2025 IEEE 6th International Conference in Robotics and Manufacturing Automation (ROMA), Selangor, Malaysia</i>	August 2025
3.	Ai-Powered Smart Crop Protection System using Visual Sensor Networks and Web-Based Technologies	International conference Recent Advances and Innovation in Science, Engineering, Technology and Management (ICRAISETM-2025) at Solamalai College of Engineering	April 2025

4.	Ai-Driven Yoga Practitioner Monitoring System: Real-Time Health Tracking and Cognitive State Assessment using Smartwatches	International Conference on Innovations for sustainability in Science, Engineering and Management (ISSEM25) at Chendhuran College of Engineering and Technology	April 2025
5.	GRAMART:APP for Rural Artisans	International Conference On Recent Engineering and Technology 2024 organized by Mount Zion College of Engineering and Technology, Pudukkottai.	March 2024
6.	Gesture Based Virtual Mouse	International Conference on Recent Engineering and Technology 2024 organized by Mount Zion College of Engineering and Technology, Pudukkottai.	March 2024
7	Drowsiness detection and alerting system	National Conference on Applications of AI And IOT In Engineering&Technologies (NCAAIET 24) organized by Sri Bharathi Engineering College for Women , Pudukkottai.	February 2024
8	Energy Efficient Security for Visual Sensor Network	International Conference on Innovative Trends in Computing and Technology at The Rajaas Engineering College.	March 2013