SRI SAIRAM ENGINEERING COLLEGE

COMPUTER SCIENCE AND BUSINESS SYSTEMS

NAME	**SARASWATHY.S**
DESIGNATION	ASSISTANT PROFESSOR
DEPARTMENT	Computer Science and Business Systems
QUALIFICATION	BE, M.TECH, PH.D (Pursuing)
AREA OF SPECIALIZATION	COMPUTER NETWORKS AND IOT
EXPERIENCE	Teaching : 6.5 Years
PROFESSIONAL BODY MEMBERSHIP	1.IEEE 2. IAENG
PUBLICATION DETAILS	International Conference: 6 National Conference: 2 Book Publication: 1 Patent Publication: 1

INTERNATIONAL CONFERENCE

- M.S. Srinivasa Rao, S.Saraswathy "**Efficient Model training in Decentralized Systems with Federated Learning",** *2nd International Conference on Communication, Security and Artificial Intelligence(ICCSAI-2023).*

- S.Saraswathy, Malathi J, Subiksha N "**A Hybrid Strategy Integrating Ant Colony Optimization and Locust-Inspired Algorithm (HACO-LA) to Boost Efficiency and Performance in cloud Resource Management"**

- Thangamariappan, P., Singh, M., Arthi, M., Kannan, T., Saraswathy, S. "**Enhanced Structural Image Classification using Hybrid CNN-GNN Model**" *2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024, 2024.*

- Devi, M.V., Surya, K.A.J., Meethashree, E., Keerthivasan, V.S., **Saraswathy, S.** "**Nonlinear SVM Classifier based Online Attendance System for Facial Recognition and Mask Detection**" *2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS 2024, 2024*

- Rajagopal, K., Kumari, V.S., **Saraswathy, S**., ... Ponmaniraj, S., Deepa, A. "**Hybrid Deep Learning Models with Genetic Algorithm Optimization for Enhanced Kidney Tumor Detection**" *5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024* - Proceedings, 2024, pp. 1525–1530
- Rajagopal, K., Kumari, V.S., **Saraswathy**, **S**., ... Kumar, V.S., Deepa, A. "**Improving the Detection of Kidney Tumours Using Firefly Algorithm Optimisation"** *2nd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2024* - Proceedings, 2024, pp. 898–902

NATIONAL CONFERENCE:

- S.Saraswathy, Sujitha K, Jothi "**A Broad view of Smart helmet redefining protection and Connectivity Devices**", *A National Conference on Applications of AI & IoT in Engineering and Technologies(NCAAIET-2024),* held on 10th Feb 2024 in Sri Bharathi Engineering College for Women.
- Presented a paper on **"Secure Data Retrieval for Disruption Tolerant Networks Using CP-ABE"** in *National conference on Recent Innovation in Advanced Computing Technology - 2015.*

BOOK PUBLISHED DETAILS:

- Published a book titled '**Database Management Systems'** (ISBN-13: 978-93-6260-357-9) under Charulatha Publications.

PATENT PUBLISHED DETAILS:

- SARASWATHY S et.al ,published a patent on "**Artificial Intelligence Based Heart Disease Prediction Device**", 399810-001, 02-02 Dated 13/11/2023.

ACCOMPLISHMENT :

- NPTEL –AICTE FDP Certificate for completing the "**Programming in Java**" course in the Elite Category during the period Jul-Oct 2023
- NPTEL –AICTE FDP Certificate for completing the course "**Data Science Using Python**" during the period Jul-Aug 2023.
- NPTEL –AICTE FDP Certificate for completing the course "**Data Analytics with Python**" in the Elite Category during the period Jan-Apr 2024.

- ➢ NPTEL –AICTE FDP Certificate for completing the "**Learning Analytics Tool**" course in the Elite Category during the period Jul-Oct 2024.
- ➢ NPTEL –AICTE FDP Certificate for completing the course "**Introduction to Internet of Things**" in the Elite Silver Category during the period Jul-Oct 2024.

FACULTY DEVELOPMENT PROGRAM:

- ➢ Two days Faculty Development Programme on "**Deep Learning Toolkits and its Diverse Uses**", Organized by Department of Computer Science and Business Systems, Sri Sairam Engineering College.
- ➢ Two days Faculty Development Programme on " **Harnessing the Power of Generative AI across Disciplines**", Organized by Department of Computer Science and Business Systems, Sri Sairam Engineering College
- ➢ Attended a FDP on ""**Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) at Sri Sai Ram Engineering College, Chennai from 10th July to 12th July 2023.**"
- ➢ "Faculty Sensitization program on Sponsored R& D Projects " organized by Bureau of Indian Standards held on 09.01.2024.
- ➢ 6 days Faculty Development Programme on "**Industrial Internet of things and Connected Devices**", from 01.02.2024 to 06.02.2024 , Sri Sairam Engineering College.

ONLINE FDP DETAILS:

- ➢ One Week National level Faculty Development Program on "**Cloud Infrastructure(AWS)"** organized by Brain o vision solution ltd and All India Council for Technical Education (AICTE)
- ➢ Five Day National level Faculty Development Program on **"Empowering Educators-Ai in Robotics and Automation for innovative and Initiatives in the Digital Era"** organized by Sri Krishna College of Engineering and Technology.
- ➢ Six Days online Faculty Development & Training Programme on "**Generative AI with   Large Language Models**" organized by M.Tech(CSE) Sri Sairam Engineering College From 22.02.2024 to 28.02.2024.

- Participated in the Professional Development programme on **"Entrepreneurial Marketing"** organized by NITTTR from 08.4.2024 to 13.04.2024.

- Five Days International Faculty Development Program on "**Project Excellence Guide: Digital Marketing**" organized by MLR Institute of Technology, Dundigal – Hyderabad,in Collaboration with ExcelR Edtech Pvt. Ltd. From 21st Oct to 25th Oct 2024.

- ISTE Sponsored 6 Days FDP on " **Data Journey: Discovering Science and Visualization**" organized by Sri Sairam Engineering College ,M.tech(Cse) department from 16.12.2024 to 21.12.2024.

- Five days Online Faculty Development Program on "**CLOUD COMPUTING TOOLS**" organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur from 15-10-2024 to 19-10-2024.

- ISTE Sponsored Six Days FDP on "**ROBOTIC PROCESS AUTOMATION**" conducted by Sri Sairam Engineering College(MECH& AUTO) from 06.05.2024 to 11.05.2024.

- Six days Online Faculty Development Program on "**QUANTUM COMPUTING**" organized by Department of AIDS, Sri Sairam Engineering College from 27.05.2024 to 01.06.2024.

- One Week International Faculty Development Programme on "**CUTTING EDGE TECHNOLOGIES IN COMPUTER SCIENCE**" organized by Easwari Engineering College during 23.09.2024 to 29.09.2024.

- AICTE Training And Learning (ATAL) Academy Faculty Development Program on "**EXPLORING ADVANCED DATA SCIENCE TOOLS TECHNIQUES AND TRENDS**" conducted by Anand Institute Of Higher Technology from 09/12/2024 to 14/12/2024.

WORKSHOP ATTENDED

- International Level student workshop 2K24 on "**Data Science using Python"** organized by Brain O Vision Solutions India Pvt Ltd. during the period 19.2.2024 to 23.02.2024.

- ➢ Ten Day workshop series on "**From Scratch to Deployment: Hands-on Model building with Keros and TensorFlow**" organized by Sri Venkateshwara College of Engineering from 14.10.2024 to 25.10.2024
- ➢ **Faculty Orientation Program (FOP) for Ignite Entrepreneurship Course** conducted by Wadhwani Entrepreneur Network(NEN), Wadhwani Foundation from 23.05.2024 to 05.07.2024.

ACHIEVEMENTS:

- ✓ Received a **Gold Medal** from SRM University, Kattangulathur for achieving academic Excellence (95.1 %).
- ✓ Received **Best Teacher award** -2018 from P.S.B. Polytechnic College, Kelambakkam.
- ✓ **IEEE proctor Appreciation Award** for the IEEEXtreme 17.0 programming competition.
- ✓ **Faculty Coordinator Appreciation Award** in hosting national level STTP Program on Java Full stack with React JS & AI organized by AICTE & Brain o Vision.
- ✓ **NPTEL Mentor Appreciation Award** for the NPTEL online Certification Course on Introduction to Database System during Jan -Apr 2024.
- ✓ **NPTEL Top Performing Mentor** Appreciation Award for the role as Mentor for the NPTEL online Certification Course on "Cloud Computing "during Jul -Dec 2024.