FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

- Name: Dr. T.S. Suganya

- Designation: Assistant Professor

- Phone Number: -   8939355919

- Email Id:suganyas3@srmist.edu.in

- Area of Specialization: Image Processing

- Affiliation:.SRM IST Ramapuram, Chennai-89.

Educational Details:

- Degree – Ph.D.

- Area or Subject – Image Processing

- University – Sathayabama University

- Awarded Year – 2021

- Degree – M.Phil. (Computer Science)

- Area or Subject – Image Processing

- University – Bharathidasan University

- Awarded Year – 2008

- Degree – MCA

- Area or Subject – Computer Applications

- University – Bharathidasan University

- Awarded Year – 2000

- Degree – B.Sc.

- Area or Subject – Computer Science

- University – Bharathidasan University

- Awarded Year – 1997

Other Details:

Courses: Object Oriented Programming, Artificial Intelligence, Digital Logic Fundamentals

Research Interests: Image Processing, Machine Learning, Artificial Intelligence.

Selected Publications:

- ❖ An Immersive Metaverse mechanism for Imparting Fire Safety Training Eur. Chem. Bull. 2023, 12(Special Issue 8),3583-3590.
- ❖ An Optimized Machine Learning Framework for Detecting Alzheimer's Disease by MRI JOURNAL OF ALGEBRAIC STATISTICS Volume 13, No. 3, 2022, p. 4137-4146 https://publishoa.com ISSN: 1309-3452 4137.
- ❖ IoT Based Locker Security Using Face Recognition IJRAR22C1951 International Journal of Research and Analytical Reviews (IJRAR) www.ijrar.org 2022 IJRAR August 2022, Volume 9, Issue 3 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138).
- ❖ Feature Extraction Based Reinforcement Learning Machine for Stock Price Prediction.
- ❖ A hybrid group search optimization: firefly algorithm-based big data framework for ancient script recognition Springer-Verlag GmbH Germany, part of Springer Nature 2019.
- ❖ Binarization of Ancient Tamil Scripts from Stone Inscriptions GJRA - GLOBAL JOURNAL FOR RESEARCH ANALYSIS Volume-3, Issue-11, Nov Special Issue -2014 • ISSN No 2277 – 8160.
- ❖ An Efficient Ancient Tamil Script Classification System using Gradient Boosted Tree Algorithm International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 Volume-8 Issue-3, September 2019.
- ❖ An Automated Script Classification System Using Structure Optimization with Firefly Algorithm International Journal of Engineering & Technology (IJET) 7 (4.28) (2018) 723 -728.
- ❖ Feature Selection for An Automated Ancient Tamil Script Classification System Using Machine Learning Techniques IEEE Xplore: 14 December 2017.
- ❖ An Automated Ancient Tamil Script Classification System Using Machine Learning Techniques Research Journal of Biotechnology Special Issue January (2017).
- ❖ A Survey on Character Recognitions in Tamil Scripts using OCR IJSR - INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH Volume: 3 | Issue: 4 | Special Apr Issue 2014 • ISSN No 2277 – 817.

Papers Presented:

- ❖ Online Sales Prediction in E-Commerce Market Using Machine Learning (ICSPC) | 979-8-3503-0077-2/23/$31.00 ©2023 IEEE | DOI: 10.1109/ICSPC57692.2023.10125855.
- ❖ A Natural User Interface for Human Computer Interaction using Gesture Control - ISBN-978-93-91347-50-5.
- ❖ Event Booker Using PHP - ISBN 978-93-95054-52-2.
- ❖ BLIND LISTENERISBN 978-93-95054-52-2.
- ❖ Fake News Detection Using Machine Learning ICAIDS 2022; ISBN: 978-93-5620-075-3
- ❖ Voice Based Email for Visually Challenged International Multidisciplinary Conference on Information

Science, Management Research and Social Sciences ISBN: 978-93-5619-947-7.

❖ A Health Care System for Doctor's Obtainability and Nearest Search using K-Means Clustering International Multidisciplinary Conference on Information Science, Management Research and Social Sciences- ISBN: 978-93-5619-947-7.

Working Papers:

❖ 2 Papers sent review comments and waiting for acceptance.

❖ 1 paper is on processing.

Work in Progress: Mobile Learning Book Chapter waiting for publication.

Virtual Learning Environment Book Chapter waiting for publication.

Human Activity Behavior Based on SVM Book Chapter waiting for publication.

Academic Experience: 7+ years.

Other Professional Experience: Nil.**Achievements:**

❖ NPTEL Foundation of Cloud, IoT, Edge, ML got Elite Silver.
❖ Member Technical Program Committee & Reviewer in the 4th International Conference on Recent Trends in Communication & Intelligent Systems.

Workshops /Seminars/Conferences:

❖ Two weeks National workshop on Advanced Research Methodology organized by Department of Commerce SRM IST Ramapuram.
❖ 10 days FDP on Recent Trends in Multidisciplinary Research organized by SRM IST Ramapuram.
❖ Adobe creativity skill international workshop organized by ATAL.
❖ Professional Development workshop on Digital Creativity Skill organized by ATAL.
❖ International short term training development program organized by RAJ RISHI GOVT.AUTONOMOUS COLLEGE, ALWAR (RAJASTHAN)-INDIA.
❖ Emerging research trends in Blockchain and Data Science organized by Dr.M.G.R. Educational and Research Foundation.
❖ Professional Development Program 12th – 20th June, 2023organized by UGC Approved Short-term Professional Development Program.
❖ Financial Planning for Start-up organized by NITTTR.
❖ One week FDP on Research Methodology: The practical approach organized by SINHGAD ACADEMY OF ENGINEERING.

Achievements and Awards:

Academic / Professional Membership: QUVAE, IAENG, CSI

_____
_____

Please send in your latest PASSPORT SIZE photograph.