FACULTY PROFILE

Basic Details:

- **Name:** Mr.D.SIVA
- **Designation**: Assistant Professor(O.G)
- **Phone Number:** 8778664414
- **Email ID:** sivad@srmist.edu.in
- **Area or Subject:** Java,Python,Cloud Computing,Machine Learning
- **Affiliation:** (Department of Computer Science , Kattankulathur Campus, SRM Institute of Science and Technology)

Educational Details:

- **Degree** – MCA.,M.Tech(CSE).,NET.,Ph.D
- **Area or Subject** – Computer Applications and CSE
- **University** – Bharathidhasan University and SRM IST
- **Awarded Year** – 1998 and 2014

Other Details:

Courses: Java and Advanced Java Programming in Computer Science

Research Interests: Machine Learning

Selected Publications:

- Automated Detection of Anomalous Holes in Fuel Injector Nozzles Using High-Definition icrophones (DH-FINM) and Machine Learning Algorithms, SSRG International Journal of Electronics and Communication Engineering, Volume 11 Issue 9, 149-162, September 2024
- "ENHANCING HANDWRITTEN DIGIT RECOGNITION ACCURACY WITH CONVOLUTIONAL NEURAL NETWORKS AND DATA AUGMENTATION TECHNIQUES " ISSN: 0937-583x Volume 89, Issue 8 (Aug -2024) in Musik in bayern

- Sparrow Search Algorithm based BGRNN Model for Animal Healthcare Monitoring in Smart IoT, International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 7, 01 July 2023

- "Analysis of machine learning models in predicting weather conditions and its severity", Journal of Xi'an Shiyou University, Natural Science Edition, VOLUME 17 ISSUE 11 120-125.Nov,2021

- "A SURVEY OF FAKE NEWS ANALYSIS USING MACHINE LEARNING", High Technology Letters, Volume 27, Issue 1, Jan 2021

- "Spammer Detection and Fake Consumer Identification on Social Sites Using Content Filter Formula", **BIOSCIENCE BIOTECHNOLOGY RESEARCH COMMUNICATIONS** Vol 13 No (6) 2020– *AUGUST 2020,Pp:*23-28

- "Security of Data in Cloud using Key Managers", International Journal for Science and Advance Research In Technology **IJSART** *Volume 3 Issue 6 – JUNE 2017 ISSN* [ONLINE]: 2395-1052

- "Detection & Identification of Attacker Using Honey Words In A Purchase Portal", International Journal for Science and Advance Research In Technology **IJSART** *Volume 3 Issue 6 – JUNE 2017 ISSN* [ONLINE]: 2395-1052

- "Cloud Based Storage Scheme For Indirect Mutual Trust And Outsourcing Dynamic Data" Published By Global Institute for Research and Education, *G.J. E.D.T.,Vol.3(2):16-19 (March-April, 2014) ISSN: 2319 – 7293* .

Conference Papers Presented:

- Attended National Conference on Emerging Advancements in Data Analytics and presented paper titled "Real Time Alert System Based on the Crime Area Mapping" conducted by Department of Computer Science with Data Analytics on 28.02.2025.

- Published Paper titled "Machine Learning for Real-Time Language Translation: A Server-Side Approach to Overcome Cross-Cultural Communication Challenges" 979-8-3315-1572 in 4th International Conference on Soft Computing for Security Applications (ICSCSA) IEEE Xplore, 18 March 2025.

- Attended International Conference on Next Gen Intelligence and presented paper titled Fnancial statement analysis leveraging LLM with Retrieval augmented generation for enhanced insights by Department of CSA on 07.03.2025

- Attended Nationall Conference on Next Gen Information Service, Communication and Technology (NGISCT'24) and presented paper titled "Optimizing Wired Network Deployment through eospatial Analysis: Integrating GPS, GIS and Data Analytics" conducted by Faculty of Science and Humanities, SRM IST, Ramapuram Campus on 04.10.2024.

- "Sparrow Search Algorithm based BGRNN Model for Animal Healthcare Monitoring in Smart IoT" in International Journal on Recent and Innovation Trends in Computing and Communication, vol 11. Issue: 7, DOI: https://doi.org/10.17762/ijritcc.v11i7.7830,July 2023.

- “Development of Secure Cloud-Based Healthcare Management Using Optimized Elliptic Galois Cryptography”in Intelligent Cyber Physical Systems and Internet of Things. Engineering Cyber-Physical Systems and Critical Infrastructures, vol 3. Springer, Cham. https://doi.org/10.1007/978-3-031-18497-0_38,Feb 2023.

- Presented the Paper entitled “Fuzzy Means Clustering Based Hand gesture Recognition echniques” in the International Conference on Human Machine Interaction in the Digital Era,organized by Dept.of CSA,FSH,SRMIST,RMP,Feb 2023

- “Spammer Detection and Fake Consumer Identification on Social Sites using Content Filter Formula”, E-Conference On Research Essential In Machine Learning And Computational Intelligence (ECREMLACI 2020) ,SRM IST,June 2020

- “Improved Data Techniques Using Bloom Filter”, ICECAPS ,C.Abdul Hakeem College of Engineering and Technology,June 2020

- “Dynamic Modeling and Driving cycle Prediction for a Real-time Vehicle”,International Conference on Advances in Emerging Technology 2015,Jaya Engineering College

- “Secure Indirect Mutual Trust and File Sharing for Cloud Computing Storage System”, National Conference on BOTICS, 2014, Chendu College of Engineering and Technology
- “Vibrant Resource Allocation on Clouds”, International Conference on Engineering and Technology, Sri Venkateswara College of Engineering and Technology, 2013
- “Handling of Cloud Data from User Control Using Integrity Checking Algorithm”, National Conference on Emerging Trends In Computer Applications,Sri Venkateswara College of Engineering and Technology, 2012.
- “Distributed Automation System Based on Web Services”, National Conference on Emerging Trends In Computer Applications, Sriram Engineering College, 2010.
- “Learning to Make Facial Expressions”, National Conference on Computing and Communication, Ganadipathy Tulsi’s Jain Engineering College, 2010.

Academic Experience:

- Assistant Professor in Computer Science and Applications,**SRM Institute of Science and Technology**, July 2019 till date.
- Associate Professor in Information Technology, **Mohamed Sathak A.J. College of Engineering**, Oct 2017 – Apr 2019.
- Assistant Professor in Computer Science & Engineering, **Indira Institute of Engineering and Technology**, July 2014 – Sep 2017.
- Assistant Professor in Computer Applications, **R.M.K Engineering College**, June 2008 –June 2014.
- Lecturer in Computer Applications, **Sriram Engineering College**, Sep 2005- May 2008.
- Lecturer in **Chennai National College of Arts and Science**, Aug 2000- Aug 2005.
- Lecturer in **I.R.M Degree College**, Kuppam, Chittoor – Sep 1998- July 2000.

Workshops /Seminars/Conferences:

- Online FDP on "Block chain", AICTE Training And Learning (ATAL) Academy, from 2020-8-17 to 2020-8-21 at Mepco Schlenk Engineering College.
- Online FDP on "Data Sciences", AICTE Training And Learning (ATAL) Academy, from 2020-10-5 to 2020-10-9 at University College of Engineering.
- Online FDP on "Artificial Intelligence", AICTE Training And Learning (ATAL) Academy, from 27-04-2020 to 01-05-2020.
- Two days Workshop on “Data Analytics Using Power BI”,Sri Venkateswara College Of Engineering, September, 2019
- Two days FDP on “Introduction to Mobile App Development”,Panimalar Institute of Technology conducted by **ICT Academy** April 2019.
- One Day Seminar on “IBM WATSON AI & IOT,Loyola Institute of Technology conducted by ,**IBM**,Dec 2018
- Two days Workshop on “e-Yantra Robotics”,**AnnaUniversity**.December,2017
- Five days Workshop on DATA SCIENCE AND BIG DATA ANALYTICS, Rajalakshmi Engineering College conducted by **EMC^2** ,2014
- One day Workshop on “Google Application Services”,**Google**. 2014
- Training the Trainer Program on Advanced Java Technologies, Dhanalakshmi College of Engineering, **Infosys.2011**
- Mission10x Workshop on “High Impact Teaching Skills”, **Wipro**, 2011
- National Seminar on “Service Oriented Architecture”, R.M.K Engineering College, 2011

Certifications Completed:

- Has successfully completed COURSERA– Build a FREE WEBSITE WITH WORDPRESS during May 2025
- Has successfully completed COURSERA– Getting Strted with Microsoft Excel during May 2025
- Has successfully completed NPTEL – Programming in Java course with Elite plus Silver and Topper of the Course during November 2024
- Has successfully completed NPTEL – Foundation of Cloud IoT Edge ML course with Elite plus Silver, April ,2024.
- Has successfully completed NPTEL – Introduction to Internet of Things course , October ,2023.
- Has successfully completed Machine Learning Using Python Course Provided by IELIT,Calicut,During
  18.12.2023 to 22.12.2023
- Has successfully completed NPTEL – Python for Data Science course , March ,2023.
- Has successfully completed Python Essentials Course Provided by CISCO Networking Academy in Collaboration with openEDG Python Institute.,June 2023
- 2020-UDEMY Python Course for Beginners
- 2020 –Coursera Block chain Fundamentals
- 2009 – IBM certified Database Associate, DB2 Fundamentals
- 2009-IBM certified Rational Applications Developer (RAD).
- 2010-IBM certified Tivoli Directory Server (TDS).

Memberships:

- Life Membership in ISTE(LM 69814), 2010

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