

Dr. P. Saravanan, M.C.A., B.Ed., SET., Ph.D.
Assistant Professor
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Experience: 14.4 years in various institutions

I am Dr. P. Saravanan is an experienced academician with over 14.4 years of teaching and research expertise in the field of Computer Science. I am currently serving as an Assistant Professor. I hold multiple qualifications, including M.C.A., B. Ed., and Ph.D. My areas of interest span across programming, data structures, network security, and software failure analysis. I have actively contributed to academic development through guiding student projects, presenting papers at national and international conferences, attending workshops and faculty development programmes, and publishing research articles in reputed journals.

Subjects Handled:

- Operating System
- C Programming
- Object Oriented Programming
- Python
- Data Structures
- Image Editing Tool
- RDBMS (B.Sc.)
- Network Security (M.Sc.)
- Advanced Computer Architecture (M.Sc.)

Project Guidance:

- M.Sc. Students – 16

- B.Sc. Students – 10

Seminars / Conferences / Workshops Attended:

1. National Workshop on Writing Research Thesis & Articles – 12th Feb 2016, Sri Vidya Mandir Arts & Science College, Uthangarai, Krishnagiri.
2. International Conference on Recent Innovation in Engineering – 2nd April 2016, Sri Subramanya College of Engineering and Technology, Palani.
3. UGC International Conference on Smart Approaches in Computer Science Research Area – 5th Jan 2017, Sri Saradha College for Women, Salem.
4. National Workshop on Research Paper Writing – 23-24th Feb 2017, Thiagarajar College of Engineering, Madurai.
5. State-Level Workshop on LaTeX for Scientific Research Programme – 6th Sept 2019, Government Arts College, Dharmapuri.
6. International Seminar on Wireless Networks Simulation Performance Analysis – 25th Sept 2019, Government Arts College, Dharmapuri.
7. International Multidisciplinary Virtual Conference Research and Development in Dynamic Times – 22nd & 24th July 2020, Special Minds and SSN Research Foundation.

Papers Presented:

1. A Survival Study on Software Failure Prediction Using Adaptive Dimensional Gene Model – 5th Jan 2017, Sri Saradha College for Women, Salem.
2. Software Failure Mode Effective Analysis Using Event Log Method – 2nd April 2016, Sri Subramanya College of Engineering and Technology, Palani.
3. A Survival Study on Event Logs Effective for the Analysis of Log-Based Failures System Approach – 22nd & 24th July 2020, Special Minds and SSN Research Foundation.
4. Mandelbug Analysis in Cloud Environments: Challenges and Strategies – 18th Jan 2025, T. John College Research Education Solution.

Published Journals:

1. An Innovated Method Using Failure Mode and Effects Analysis for Improving Quality of the Software – IJARCCE, Vol. 5, Issue 1, Jan 2016.

2. A Survival Study on Software Failure Prediction Using Adaptive Dimensional Gene Model – IJCII, Vol. 6, No. 4, March 2017.
3. Automatic Collection and Organization of Various Applications Log Event Dataset – GJRA, Vol. 7, Issue 4, April 2018.
4. Stochastic Bio-Inspired Gene Optimization Based Trapezoidal Fuzzy Logic for Software Failure Prediction Based on Event Log Files – IJCSE, Vol. 7, Issue 1, Jan 2019.
5. Bayesian Software Failure Probability-Based Time-Invariant Tanimoto Random Testing for Software Quality Management – DOI: 10.5373/JARDCS/V12SP1/20201094. February 13, 2020
6. Adaptive Dimensional Particle Swarm Optimization-Based Hyper Basis Function Neural Network Classification for Software Failure Cause Prediction – European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Vol. 7, Issue 9, 2020.
7. African buffalo optimized multinomial softmax regression based convolutional deep neural network for software fault prediction, https://doi.org/10.1016/j.matpr.2021.08.097, 2214-7853/Copyright, Materials Today: Proceedings 61 (2022) 619–626, 2022 Elsevier.

Faculty Development Programme (FDP) Attended:

1. AI-Driven Educational Technologies for Enhanced Teaching and Learning (ATAL).