Name : Dr. T. SANGEETHA

Designation : Assistant Professor

Department : B.Sc. Computer Science with Graphics and Creative Design

Qualification : M.Sc., M.Phil., Ph.D.

Experience : Teaching -12 Years Company – 2 Years

Research : 4 Years

Area of Specialization(s) : Web Application Development, Data Mining, Natural Language Processing, Machine and Deep Learning, Bioinformatics

Email (Official ID) : t_sangeetha@psgrkcw.ac.in

IRINS Link : https://psgrkcw.irins.org/profile/646024

LinkedIn : https://www.linkedin.com/in/sangeetha-thangaraju-5981212b6/

Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	PSG College of Arts & Science	2025
M.Phil.	Computer Science	PSGR Krishnammal College for Women	2010
M. Sc.	Computer Science	Coimbatore Institute of Technology	2004
B.Sc.	Computer Science	Coimbatore Institute of Technology	2002

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/ Agency Name	Year
	R Programming	R SQUARE ACADEMY	2021
Certification	MATLAB Master Class	Pantech Prolabs India Pvt. Ltd.	2021
	Google Certification for Educators – Level 1	Google	2020
	Advanced .NET Framework	Cegonsoft Private Limited	2010
	Enterprise Applications Development using .NET	NIIT	2007

Research Publications (Indexed)

Sangeetha, T., & Manikandan, K. (2023). An Extensive Study on Cardiomyopathy Classification Technique Using Microarray Data. Journal of Data Acquisition and Processing, 38(1), 3835-3840. (Scopus Indexed)

Sangeetha, T., Manikandan, K., & Arokia Doss, D. V. (2024). Differentially Expressed Gene Signatures: A Comprehensive Data-Driven Approach. Advanced Engineering Science, 56(1), 674- 695. (Scopus Indexed)

Sangeetha, T., Manikandan, K., & Arokia Doss, D. V. (2024). Entropy Pelican Optimization Algorithm-Based Feature Selection and Deep Autoencoder. Salud, Ciencia y Tecnología – Serie de Conferencias, 3, 761. (Scopus & Crossref Indexed)

Sangeetha, T., Manikandan, K., & Arokia Doss, D. V. (2024). Integrated Variational Autoencoder Model for Genome Transcription Analysis. Naturalista Campano, 28(1), 2882-2892. (Web of Science)

Saneetha, T., Manikandan, K., & Arokia Doss, D. V. (2024). Optimized Deep Learning Model or Early Cardiomyopathy Classification. Journal of Angiotherapy, 8(6), 1-9. (Scopus Indexed)

Other Publications: International/National

International Conferences

Sangeetha, T., Manikandan, K., & Victor Arokia Doss, D. (2023, April 1). An analysis of clustering techniques and their use with high-dimensional data. Proceedings of the International Conference on Multidisciplinary Research and Innovation (ICMRI 2023), 392–406. ISBN: 978-93- 92293-71-9. Adithya College of Arts and Science, Coimbatore.

Sangeetha, T., Manikandan, K., & Victor Arokia Doss, D. (2024, March 27–28). Predictive power of ensemble multilayer perceptron networks in identifying cardiomyopathy: A perspective approach for clinical decision support. Proceedings of the International Conference on Recent Trends in Inter-Disciplinary Innovations Bridging Computer Science and Life Sciences (RTIICSM – 2024), 324–335. ISBN: 978-93-6126-651-5. Rathinam College of Arts and Science, Coimbatore.

Sangeetha, T., Manikandan, K., & Victor Arokia Doss, D. (2023, April 29). Exploring dimensionality reduction for coronary heart disease through PCA analysis. Proceedings of the International Conference on BLDEA's A.S. Patil College of Commerce (Autonomous), Vijayapur, Vijayapur – 586103.

National Conference

Sangeetha, T., Manikandan, K., & Victor Arokia Doss, D. (2024, February 2). Ensemble approach for predicting heart disease using classification algorithms. Proceedings of the

Second National Conference on Sustainable Computing and Development (NCSCD – 2024), (Paper ID: NCSCD24063, S. No: 59). ISBN: 978-93-95105-59-0. PSGCARE, Coimbatore.

Participation in Seminars / Webinars

Actively participated in over 25 national and international seminars and webinars covering a broad spectrum of topics, including Machine Learning, Artificial Intelligence, Data Science, Deep Learning, Industry 4.0, Cloud Computing, Big Data, Cybersecurity, Internet of Things (IoT), and Women Empowerment. These engagements fostered continuous academic growth and provided exposure to evolving technological and social trends.

Participation in Workshops

Participated in over 20 national and international workshops on diverse domains such as Augmented Reality, LaTeX Documentation, Emotional Stability, Research Methodology, R and SPSS Data Analysis, AI and Machine Learning Case Studies, and Python Programming. These workshops significantly enhanced both theoretical understanding and practical proficiency in emerging technologies and research practices.

Participation in Faculty Development Programmes (FDPs)

Attended more than 10 Faculty Development Programmes (National & International) on topics including Data Science, Cloud Computing, Mobile Computing, Team Building, Library Systems and NPTEL Resources, and Cybersecurity. These FDPs strengthened instructional design capabilities, pedagogical innovation, and integration of technology in teaching-learning processes.

Participation in Conferences / Paper Presentations

Presented research papers in multiple National and International Conferences, including works on Predictive Analytics, Ensemble Learning Models, Dimensionality Reduction, and Heart Disease Prediction. These contributions demonstrate active engagement in research dissemination and commitment to advancing knowledge in the field of computer science and data analytics.

Courses and Certifications Completed

Successfully completed certified programs such as “MATLAB Master Class” (Pantech Prolabs India Pvt. Ltd.) and Google Certified Educator – Level 1, reflecting continuous professional upskilling and commitment to integrating digital tools in teaching and research.

Participation in Quizzes / Awareness Programs

Actively took part in several National-Level E-Quizzes and awareness programs related to Cyber Law, NET Exam Preparation, and COVID-19, demonstrating enthusiasm for academic enrichment and current affairs awareness.

Guest Lectures / Awareness & Volunteer Activities

Received Certificate of Appreciation from NAAC (2016–2017) and Special Appreciation Prize for organizing a District-Level Volleyball Tournament, acknowledging leadership, organizational, and extracurricular excellence.

Contributions

- Acted as a Project and Exam Cell Coordinator since 2013 – 2019
- Acted as a SSR Coordinator from 2016 - 2019
- Acted as a University Representative during Anna University Semester Examination
- Acting as a Department Association and CIA In-charge