

Name : Dr. G. SANGEETHA

Designation : Assistant Professor

Department : B.Sc.IT

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

Experience : Teaching -14 Years Company – 3 Years

Research : 8Years



Area of Specialization(s) : Data Mining

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Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	Dr. N. G. P. Arts and Science College	October 2023
M.Phil.	Computer Science	Bharathiar University	October 2010
M.Sc.	Information Science With Management	Dr. SNS Rajalakshmi College of Arts and Science	April 2004
BBM	Management	Dr. SNS Rajalakshmi College of Arts and Science	April 2002

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/ Agency Name	Year
Certification	IT Fundamentals for Cybersecurity	Coursera	Mar 25, 2023
Certification	Introduction to Internet of Things	NPTEL	October 2019
Certification	Introduction to Machine Learning	Coursera	May 2025
Certification	Machine Learning with Python	Coursera	May 2025
Certification	RPA Basics and Introduction to UiPath	Coursera	May 2025

Research Publications (Indexed)

- An Adaptive Local Gravitation-based Optimized Weighted Consensus Clustering for Gene Expression Data Classification - International Journal of Intelligent Engineering and Systems, Volume 15, Year 2022, Pages 647-656, DOI:10.22266/ijies2022.1231.57

- An Optimized Weighted Consensus Clustering with Removal of Less Informative Composite Clusters, Proceedings of the 2022 9th International Conference on Computing for Sustainable Global Development, INDIACom 2022, Year 2022, Pages 392-399, DOI:10.23919/INDIACom54597.2022.9763260
- Enhanced energy efficient routing protocol for on demand distance vector routing to improve communication in border area military communication, International Journal of Computational and Experimental Science and Engineering (IJCESEN), Volume 10, Year 2024, DOI: <https://doi.org/10.22399/ijcesen.492>
- Enhancing Cyber-Physical System Security through AI-Driven Intrusion Detection and Blockchain Integration, International Journal of Computational and Experimental Science and Engineering (IJCESEN), Volume Vol. 11, Year 2025, Pages 1356-1362, DOI:10.22399/ijcesen.1168

Other Publications: International/National

- ENSEMBLE HYBRID K- MEANS AND DBSCAN CLUSTERING ALGORITHM – HDKA FOR CANCER DATASET, International Journal of Recent Technology and Engineering, Volume 8, Year 2018, Pages 6036-6040 DOI:<https://doi.org/10.35940/ijrte.D8257.118419>
- Ensemble Hybrid K- Means and DBSCAN Clustering Algorithm – HDKA for Cancer Dataset, International Journal of Recent Technology and Engineering (IJRTE), Year 2019, DOI:10.35940/ijrte.d8257.118419
- PERFORMANCE EVALUATION OF DATA MINING TECHNIQUES USING CANCER DATASET, International Journal of Research and Analytical Reviews, Volume 6, Year 2019

Book Published

1) R PROGRAMMING TOOLS, **Year 2022**

Book Chapter Published

- Pseudomonas stutzeri - NCBI - GENBANK, **Year 2022, Pages ON556570.1**
- Analysis of Hedychium Flavum Waste Powder as a Potent Heavy Metal Adsorbent, Environmental Science and Engineering, Volume Part F272, Year 2023, Pages 113-120, DOI:10.1007/978-3-031-29597-3_10
- Basics of R Programming - Volume 1, Year 2023, DOI:9788195136261
- Diversity in Computational Excellence – Year March 2025,

Paper Presentations in Conference

- Presented a paper at the 5th IITM–Tokyo Tech Symposium (2020).
- Presented and published a paper at the IEEE-organized International Conference on Information Engineering and Management (2022).
- Additionally, contributed and published research papers in various national and international conferences.

Participation in Seminars / Webinars

Actively participated in over 20 seminars and webinars on a wide range of topics, including Data Mining, Machine Learning, R Programming, Power BI, Robotic Process Automation (RPA), Cybersecurity, and the Internet of Things (IoT).

Participation in Workshop

Participated in 15 workshops on diverse topics including Robotic Process Automation (RPA), Cybersecurity, Internet of Things (IoT), Research Methodologies, Python, and R Programming, significantly enhancing practical knowledge and technical expertise in these areas.

Participation in Faculty Development Programme

Participated in 20 Faculty Development Programs (FDPs) on diverse topics such as innovative teaching-learning methodologies, artificial intelligence in education, curriculum design, digital pedagogy, outcome-based education, and assessment strategies, reflecting a strong commitment to continuous professional development and instructional excellence.

Conference/Seminar/Workshop Organized

Organized and led multiple workshops and seminars on emerging technology topics, promoting collaboration, knowledge sharing, and hands-on skill development within the tech community.

Contribution

- Acted as **Technology Coordinator for Academic Processes (TCAP)**, supporting the integration and management of technology in academic activities.
- Served as **Coordinator for the Learning Management System (AMPLE)**, facilitating effective digital content delivery and user support.
- Acted as **Website Coordinator**, managing updates and ensuring the institution's online presence remained current and informative.
- Currently serving as **Coordinator for Stakeholder Surveys**, responsible for collecting and analyzing feedback from students, faculty, alumni, and industry partners to aid in institutional improvement.