

Dr. Jayanthi G., M.Tech., MBA., Ph.D.
Associate Professor – CSE(IoT)

HIGHLIGHTS:

- Number of Journal Publications: 18
- H-Index: 02
- Patents Published: 07
- Patents Granted: 01

PROFESSIONAL LINKS:

- Scopus ID: 36989498700
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=36989498700
- Google Scholar ID: jayanthigovindaraju2015@gmail.com
- Anna University Faculty ID: 2640481970
- AICTE Faculty ID:1-9545393418
- LinkedIn: https://www.linkedin.com/in/dr-jayanthi-govindaraju-a6735211a

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 19 Years
- Industrial Experience: 8.6 Years

INTERNATIONAL EXPOSURE:

- Visited National University of Singapore, Nanyang Technological University, Singapore.

AREA OF SPECIALIZATION:

- Network Security
- Theoretical Computer Science
- Compiler Design
- Software Engineering
- Neural Networks
- Parallel Computing Architecture

PATENTS PUBLISHED/GRANTED:

- Design Patent Accepted and Published, Journal No is 16/2024 and Journal Date is 13/04/2024- WIRELESS CHARGING PAD. Design No. 413482-001
- Published - Blockchain IoT hybrid system for transparent and efficient supply chain management. (Application No: 202441050199 A)
- Published - Artificial Intelligence Based Approach to Explore the Clinical Depression Associated with Adolescents (Application No: 202541042981 A)
- Published - Artificial Intelligence and Machine Learning Algorithms to Help Identify Better Recommendations for Incorporating Computational Evidence into Clinical Trials and Health Care (Application No: 202541042979 A)
- Published - Implementation of Pattern Recognition and Segmentation Techniques on Images of Retinal Scans for Faster Diagnoses and Better Tracking of Eye Disease Progression (Application No: 202541041037 A)
- Published - Cloud Computing Based Disaster Management System for Recovery of Crucial Data (Application No: 202541040426 A)
- Published - Cloud Computing Enabled Attendance Management System Integrated with Facial Recognition Techniques (Application No: 202541040427 A)
- Published - Secure healthcare data management using IOT and blockchain technology (Application No: 202541043855 A)

COURSES CERTIFIED:

- IBM Data Science Professional Certificate

ACHIEVEMENTS AND AWARDS:

- Served as an advisory in the advisory committee for "National Conference on cutting-edge developments in computing & engineering 2025" held in Velammal Engineering College.
- "Best Teacher of the Department" award for the Academic Year 2009-2010 at Panimalar Institute of Technology, Chennai.

ARTICLES AND CONFERENCE PUBLICATIONS:

- Jayanthi G., UmaRani V., Vikash A.R., ...Velan D., Sanjai T., An Efficient Dermabot-RAG for Skin Disease Diagnosis, International Conference on Sustainable Engineering and Technology Innovations ICSETI 2026.
- Jayanthi G., Mani P.G.A., Shanthi M., ...Jayakumar R., Murugan S., Intelligent Engine Fault Detection Using LSTM and Edge Computing for Automotive Industry, 2026 International Conference on Connected Intelligence for Industrial Applications (CI2A).
- Jayanthi G., Jegatha C., Sabari Rajan V.K., ...Mishra N., Sathishkumar V.E., Brain Cancer Diagnosis Using EfficientNet-B0 Model with MRI Image Analysis, 2026 International Conference on Cognitive Computing and Networking Systems, ICC-CNS 2026 - Guntur, India

- Jayanthi G., Regina Margret Vimala J., Sivakumar V.G., ...Arunagiri B., Sathishkumar V.E., Recurrent Neural Network Modeling of Clinical and Behavioural Data for Epilepsy Disorder Analysis, Proceedings of the 2026 12th International Conference on Communication and Signal Processing ICCSP 2026.
- Jayanthi G., Dhana Lakshmi B., Murugan S., ...Vani R., Arasan E., EEG-Based Epilepsy Diagnosis During Sleep using Support Vector Machine Model, Proceedings of the 2026 12th International Conference on Communication and Signal Processing ICCSP 2026.
- Jayanthi G., Priya S.P.S., Muthukumaran D., ...Pandey P., Arunkumar S., Feature-Optimized SVM Technique for Accurate Recognition of Cardiac Ailments Using ECG Data, Proceedings of the 2026 12th International Conference on Communication and Signal Processing ICCSP 2026.
- Jayanthi G., Yuvaraj S., Kasi B., ...Sakthi G, Evaluating Classical and Neural Network Models for Financial Bubble Detection: A Comparative Study of SVM and GRU, Proceedings of 6th International Conference on Expert Clouds and Applications ICOECA 2026.
- Jayanthi G., Pauline Sheela Priya S., Sivakumar V.G., ...Suganya J., Sathishkumar V.E., Vision Transformer Architecture for Accurate Colorectal Cancer Classification in Clinical Image Analysis, Proceedings of the 2026 12th International Conference on Communication and Signal Processing ICCSP 2026.
- Jayanthi G., Yuvaraj S., Fernandez T.F., ...Arumugam S.S., Decoding Indian Market Direction using Indicator-based Deep Gated and Bidirectional Networks, Proceedings of 6th International Conference on Expert Clouds and Applications ICOECA 2026.
- Jayanthi G., Mohankumar N., Kannagi V., ...Mishra N., Divya N., Environmental Monitoring in IoT Systems Using a Random Forest-Based Predictive Model, 2026 International Conference on Artificial Intelligence for Sustainable Engineering and Innovation AISEI 2026.
- Jayanthi G., Yuvaraj S., Chenni Kumaran J., ...Vinston Raja R., Stock Price Prediction Using Gradient Boosting Machine with Technical Indicators, Proceedings of the 3rd International Conference on Intelligent and Innovative Technologies in Computing Electrical and Electronics IITCEE 2025**.**
- Jayanthi G., Yuvaraj S., Chenni Kumaran J., ...Somasundaram K., Stock Price Forecasting via Recurrent Neural Networks and Key Technical Indicators, Proceedings of the 3rd International Conference on Intelligent and Innovative Technologies in Computing Electrical and Electronics IITCEE 2025.
- Jayanthi G., Deepthi P., Rao B.N., ...Bharathiraja M., Logapriya A., A Comparative Study on Machine Learning and Fuzzy Logic-Based Approach for Enhancing Credit Card Fraud Detection, International Journal of Intelligent Systems and Applications in Engineering 12(12s).
- Jayanthi G., Archana E., Saravanan R., ...Swaminathan A., Sai C.N., Comparative Analysis of Psychological Stress Detection: A Study of Artificial Neural Networks and Cat Boost Algorithm, International Journal of Intelligent Systems and Applications in Engineering 12(1).
- Jayanthi G, Bai V.T., A novel approach for authenticated data transmission in sensor Virtual Private Network, Sensor Letters 13(6).
- Jayanthi G, Thulasi Bai V. Performance of topology aware reliable routing protocol for large scale virtual private network, Journal of Computer Science 10(10)

- Jayanthi G, Subramaniam C., Mahendra Kumar M., ...Prasanna N.R., A rewriting based trust model for video conferencing application, International Conference on Theoretical and Mathematical Foundations of Computer Science 2010 TMFCS 2010.
- Jayanthi G., Subramaniam C., Jain D J.K., ...Bharathy U M. "Network Virtualization for Emergency Management Services", Proceedings 2010 International Conference on Multimedia Communications Mediacom 2010.

FDPs / SEMINARS / WORKSHOPS ATTENDED:

- International Online Workshop on "Interdisciplinary Approaches to Quantum and Emerging Technologies" organized by the Department of Information Technology of Sri Venkateswara College of Engineering from 06/04/2026 to 10/04/2026.
- STTP ON "Emerging Trends in Agentic AI And Generative AI For Intelligent Systems", Department of CSE, 23rd to 27th February,2026, SVCE, Chennai.
- FDP on cloud - based data science: Architectures, tools, and best practices, Department of applied computing, 5th to 8th February 2026, VISTAS, Chennai.
- Online webinar on "Cyber Law, Privacy Policies & Legal Considerations", conducted on 31/12/2025, organized by CAWACH Kendra (Cybersecurity Awareness and Creative Handholding Kendra), a state level centre under Education Department, Government of Gujarat**.**

PROFESSIONAL MEMBERSHIPS:

- Lifetime Member in ISTE.