



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr. Sangeetha G	
Academic Designation	Assistant Professor	
Educational Qualification	ME., PhD	
Experience in Teaching & Industry	13Y & -	
Date of Joining	28/05/2025	
Official Email ID	sangeetha-icb@dsatm.edu.in	
Employee ID	180854	

Educational Details

PhD (Faculty of Information & Communication Engineering)- College of Engineering,
Anna University, Chennai
ME (Computer Science & Engineering)- Anna University, Chennai
BE (Computer Science & Engineering)- Anna University, Chennai

Professional Experience

- 1.Assistant Professor (May 2025-Till Date)
Department of CSE in IoT, Cybersecurity including Blockchain,
Dayananda Sagar Academy of Technology and Management,
Bangalore, India
- 2.Assistant Professor
School of Computing,
Sathyabama Institute of Science and Technology,
Chennai, India
- 3.Full-Time Researcher,
College of Engineering,
Anna University, Chennai, India

4. Assistant Professor

Department of Computer Science and Engineering,
Meenakshi Sundararajan Engineering College,
Chennai, India

- Research in thrust areas of Hybrid Networking, Quality of Service management, IoT, Cyber Security and Soft Computing.

Publications

1. Sangeetha G, Vijayalakshmi M, An Enhanced Packet Transmission Framework for Handling Real Time Burst Traffic in Wireless Sensor Networks, Soft Computing, Springer Nature, Vol. 30, pages 3241–3257, 2026.
2. Neelima, V. Satyanarayana, G. Sangeetha, Bala Chandra Pattanaik, Optimizing Power Grid Resilience Through Quantum Computing, Real-World Challenges in Quantum Electronics and Machine Computing, IGI Global, pp.167-179, 2024.
3. G. Sangeetha, M. Vijayalakshmi, Weighted High Priority Packet Transmission using Ozmos Bio-inspired mechanism for Traffic Load Distribution (WH-DTO) in WSNs, Wireless Networks, Vol.29, pp.29–45, Springer, 2022.
4. G. Sangeetha, M. Vijayalakshmi, Ensuring reliability of high-priority data transport using expected congestion shortfall prediction in wireless sensor networks, Wireless Networks, Springer, Vol. 27, pages 5125–5143, 2021.
5. G. Sangeetha, M. Vijayalakshmi, S. Ganapathy, A. Kannan, An improved congestion-aware routing mechanism in sensor networks using fuzzy rule sets, Peer-to-Peer Networking and Applications, Springer, Vol. 13, pages 890–904, 2020.
6. Sangeetha G., Vijayalakshmi M., Role of Smart Sensors in Minimizing Food Deficit by Prediction of Shelf-Life in Agricultural Supply Chain, Principles of Internet of Things (IoT) Ecosystem: Insight Paradigm, Intelligent Systems Reference Library, Springer Cham, Print ISBN: 978-3-030-33595-3, Volume 174, pages 153-175, 2020.
7. G Sangeetha, M Vijayalakshmi, S Ganapathy & A Kannan, A Comprehensive Analysis of Congestion Control Models in Wireless Sensor Networks, Sensor Technology: Concepts, Methodologies, Tools, and Applications, IGI Global, pp. 1194-1214, 2020.
8. Sangeetha G, Vijayalakshmi M, Ganapathy S, Kannan A, A Comprehensive Analysis of Congestion Control Models in Wireless Sensor Networks, International Journal of Strategic Information Technology and Applications, IGI Global, Volume 9, Issue 4, pages 15-37, 2018.
9. G. Sangeetha, M. Vijayalakshmi, S. Ganapathy, A. Kannan, A Heuristic Path Search for Congestion Control in WSN, Proceedings of the International Conference, I3SET 2016, Book on Industry Interactive Innovations in Science, Engineering and Technology, Lecture Notes in Networks and Systems, Springer, Vol. 11, Chapter 47, pp. 1-11, 2018.

International Conferences:

1. Sangeetha G, Akshay S, Pavan Gowda, Dhanush Reddy C S, Pradhyumna S M, AntiSquat: An AI-based Security Solution Against Domain-Based Phishing Attacks, 3rd International

Conference on Integrated Intelligence and Communication Systems (ICIICS-2026), IEEE Bangalore Section.

2. Sangeetha G, Harish K, Varun H V, Guru Prasad M R, Amaresh B and O Pradeep Kumar Reddy, Privacy-Preserving Real-Time Voting Framework Using Decentralized Authentication, 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2026), IEEE Bangalore Section.

3. M Madduri, J S Reddy, B Sowmini, G sangeetha, R Kandeepan, N Priya & Manoj V, The Role of Blockchain Technology in Ensuring Security, Transparency and Trust in Healthcare Data Sharing, IEEE RCSM 2025, Bhopal, India.

4. S. G, K. Ch, P. B. Karthik, Shashank, G. Sreehith and M. R B, A Perspective View of Node Security Shield for Node.js Applications, 2025 IEEE Madhya Pradesh Section Conference (MPCON), Jabalpur, India, pp. 480-485, 2025. doi: 10.1109/MPCON66082.2025.11256676.

5. Intelligent Donor Matching Prediction for Kidney Transplantation using HLA marker, IConIC, 22nd- 23rd March 2024, Panimalar Engineering College, Chennai. (Presented)

6. Data Protection in Cloud storage via Auditing system using Blockchain, ICE 5.0 ITEMS, 27th March 2024, SRM Institute of Science and Technology, Chennai. (Presented)

6. AI-based Speech Translator for school children with hearing loss, IConIC, 22nd- 23rd March 2024, Panimalar Engineering College, Chennai. (Presented)

7. Sankari M, Kamatchi KS, Venketbabu T, Sangeetha G and Sheema D, Dynamic Access Control Through Cryptography in Cloud, First International Conference on Data Science and Advanced Computing (ICDSAC 2023), Article No. 0600, Volume 56, 2023.

National Conferences:

1. Design of an automated Animal Rescue and Adoption Management system, NCBA-24, 14th April 2024, Lucknow, India. (Presented)
2. Secure Resource Discovery for Resource Bundles on Computational Grids, G Sangeetha, R Jayabhaduri, Emerging Trends in Information and Communication Technology (ETICT 11'), 2011, Chennai, India. (Presented)

Conference Attended

1. 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2026), February 2026, Kalaburagi, India.
2. IEEE International Conference on Recent Trends in Computing and Smart Mobility (RCSM), December 2025, Bhopal, India.
3. IEEE Madhya Pradesh Section Conference (MPCON), August 2025, Jabalpur, India
4. International Conference on Intelligent Computing (IConIC), March 2024, Chennai, India.
5. International Conference on Emerging Innovative Research with Industry 5.0 in Technology, Engineering, Management and Social Sciences (ICE 5.0 ITEMS), March 2024, Chennai, India.

Awards

1. Recognized as VTU Research Supervisor, Faculty of Computer and Information Sciences, 2025.
2. Received Best Paper Award for "Intelligent Donor Matching Prediction for Kidney Transplantation using HLA marker" in IConIC held on 22nd- 23rd March 2024, Panimalar Engineering College, Chennai, India.

Academic Activity

1. Reviewer in 4th IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026).
2. Department level coordinator for IPR, TLC, IA, BoS Member, DSATM, 2025-26.
3. Reviewer in Journal of Network and Computer Applications, Elsevier and International Journal of computing and digital systems, University of Bahrain, 2024.
4. Published book on Transfer Learning and Domain Adaptation in Deep Networks", Jupiter Publications Consortium, Chennai. ISBN: 978-93-91303-90-7, 2023.

Faculty Development Activity/Workshops

- Organized Student Development Workshop on "Hands-on IoT Development with ESP32", Dayananda Sagar Academy of Technology & Management, April 2026.
- Organized Student Development Workshop on "Configuring IoT: From Sensor to Cloud", Department of CSE-ICB, Dayananda Sagar Academy of Technology & Management, October 2025.
- Presented research paper "A Perspective View of Node Security Shield for Node.js Applications", IEEE Madhya Pradesh Section Conference (MPCON), Bhopal, Madhya Pradesh, August 2025.
- Attended workshop "From Data to Decisions: ML and IoT Applications in Healthcare and Agri-Tech" MeitY, Government of India, ICT Academy, NIT Warangal, July 2025.
- Attended workshop "Data Visualization Research Insights and Future Directions", Dr.

Sivanthi Aditanar College of Engineering, July 2025.

- Organized technical contest on "Spot Presentation" in the Department of Computer Science and Engineering, Sathyabama Institute of Science and Technology, July 2022.
- Conducted "Graphics Design Contest" in the Department of Computer Science and Engineering, Sathyabama Institute of Science and Technology, July 2022.
- Organized FDP on "Artificial Intelligence–The Road Map to the Future", Sathyabama Institute of Science and Technology, March 2022.
- Seminar speaker on “Connecting Next Generation Wireless Networks” in Techmania, Sathyabama Institute of Science and Technology, July 2023.
- Organized Student Development Program on "Codecraft: The fusion of Data structures and Java programming”, Sathyabama Institute of Science and Technology, September 2023.

Contact Details

Dr. Sangeetha G
Assistant Professor,
Department of CSE-ICB,
DSATM,
Bangalore - 560082, Karnataka, India
sangeetha-icb@dsatm.edu.in