Faculty Profile



Dr. G. NAGAPPAN. B.E., M.E., Ph.D.,

Associate Dean (SCOFT), Professor & Head

Department of Computer Science and Engineering

Saveetha Engineering College (Autonomous)

Chennai, Tamil Nadu, India

Date of Joining: 04.07.2009

HIGHLIGHTS

- Teaching and academic experience: Over 24 years
- International journal publications: 30
- International conference presentations: 21
- Patents published: 16
- Books authored: 2
- UG projects guided: approximately 268; PG projects guided: approximately 125
- H-index: 5

PROFESSIONAL LINKS

- Scopus Author ID: 54935366800 — https://www.scopus.com/authid/detail.uri?authorId=54935366800
- Google Scholar: https://scholar.google.co.in/citations?user=1xsM-P4AAAAJ&hl=en
- LinkedIn: https://www.linkedin.com/in/dr-nagappan-govindarajan-2258b534
- Anna University Faculty ID: 261861191
- AICTE Faculty ID:1-473736031

PROFESSIONAL BACKGROUND

- Associate Dean (SCOFT): Skill Development, Industry Collaborations, Curriculum & PG (since 2024)
- Head, Department of Computer Science and Engineering, Saveetha Engineering College (since August 2020)
- Professor, CSE, Saveetha Engineering College (since April 2015)
- Associate Professor, CSE, Saveetha Engineering College (since July 2009)
- Assistant Professor / Lecturer, DMI College of Engineering (2003–2009)
- Lecturer, Sona College of Technology (from July 2002)

INTERNATIONAL EXPOSURE

- Referee for faculty promotion portfolio, King Saud University, Riyadh, Saudi Arabia
- Research collaboration with Dr. Edward Danso Ansong, University of Ghana, Africa
- Consultancy collaborations with professionals associated with PCCW Solutions, Singapore, and Fox Corporation, United States

AREA OF SPECIALIZATION

- Computer Science and Engineering; Systems Engineering and Operations Research
- Smart and Pervasive Computing; Intelligent Transportation Systems; VANETs and Wireless Sensor Networks
- Artificial Intelligence, Machine Learning and Robotic Process Automation
- Computer Networks; Cryptography and Network Security; Cybersecurity
- Image Processing, Human–Computer Interaction, Computer Graphics and Multimedia

SPONSORED RESEARCH / PROJECTS / CONSULTANCY

- Aakash Project Coordinator and Remote Centre Coordinator — NMEICT initiatives with IIT Bombay and IIT Kharagpur / MHRD, Government of India
- Spoken Tutorials Coordinator — IIT Bombay
- Project investigator / mentor — IIT Bombay e-Yantra Robot project and Aishu Semi-Humanoid Robot project for AVON Corporation, Mumbai
- NETMON enterprise network monitoring tool — Genpact Consulting Pte. Ltd., Singapore
- Fully Automatic Mehendi Drawing Machine — Mylangee Arts
- Web application development — Sri Saravanan Traders, Chennai
- AICTE-funded International Conference ICRACS 2023 with Taylor & Francis proceedings

PATENTS PUBLISHED (16)

1. IoT-based smart schedule reminder and work-progress generator — 202141008103 (2021)
2. AI-based plant disease prediction and remedy suggestion — 202141016469 (2021)
3. Blockchain-based artificial IoT data acquisition in edge computing — 202241042049 (2022)
4. Machine-learning system for early autism diagnosis — 202241042291 (2022)
5. Artificial intelligence-based assistive crutch — 202341001269 (2023)
6. Machine-learning model for air-quality prediction and control — 202341001671 (2023)
7. ANN-based device for reading mood and mind — 202341002412 (2023)
8. AI-based automatic pet emotion prediction device — 202341004554 (2023)
9. IoT-based smart water bottle for visually impaired people — 202241072055 (2022)
10. Internet of Medical Things platform for healthcare applications — 202241071726 (2022)
11. Blockchain-secure interface for IoT device security gateway — 202241076319 (2023)
12. Cross-building energy prediction using deep transfer learning — 202241072705 (2022)
13. Deep-learning crop disease diagnosis for plantain cultivation — 202241074035 (2023)
14. IoT voice-assistant device for visually impaired people — 202241075461 (2022)
15. Tree-root condition identification for rain and storm hazards — 202341042169 (2023)
16. Semiautomatic magazine-based tool changing in earth-moving vehicles — 202341051874 (2023)

SELECTED RESEARCH PUBLICATIONS

M. Vijay Anand et al., “Secure Routing in Mobile Ad Hoc Networks with Hybrid Tasmanian Gazelle Optimization,” IETE Journal of Research, 71(5), 1560–1571 (2025).

V. S. Sundhararajan and N. Govindarajan, “Advancements in Real-Time Emotion Detection System Using Deep Neural Networks,” IGI Global (2025).

Sowmya V. et al., “NLP and Reinforcement Learning-Based Chatbots for Efficient Public Service Delivery in Smart Cities,” IEEE (2025).

Nagappan, G., Maheswari, K. G. and Siva, C., “Enhancing Intelligent Transport Systems: A Cutting-Edge Framework for Context-Aware Service Management with Hybrid Deep Learning,” Simulation Modelling Practice and Theory, 135, 102979 (2024).

Suresh, K. et al., “A Blockchain-Based Cloud File Storage System Using Fuzzy-Based Hybrid-Flash Butterfly Optimization Approach for Storage Weight Reduction,” International Journal of Fuzzy Systems, 26(3), 978–991 (2024).

Nagappan, G. et al., “Cluster-Based Context-Aware Route Service Management for Smart Intelligent Autonomous Vehicles with Industrial Transport System,” International Journal of Communication Systems (2024), doi:10.1002/dac.5682.

COURSES / CERTIFICATIONS

- IUCEE Certified Engineering Educator
- High Impact Teaching Skills — Wipro Mission 10X and Dale Carnegie
- Cisco Certified Network Professional
- IIT Madras Teaching Learning Centre — Certified Engineering Teacher
- MIC & AICTE Certified Innovation Ambassador

ACHIEVEMENTS AND AWARDS

- Successverse High Impact Department Award for the CSE department (2026)
- Best Coordinator Award — ICT Academy (2025)
- Education Hero Award — Education Growth Network India (2023)
- Aram Achiever Award — Aram Seiyya Virumbu Foundation and OXFAA University (2023)
- Inayaana Inayar Award — Dr. J. G. Kannappan Vasuki Charitable Trust (2024)
- Arivu Kalanjiyam Kudumba Award (2023 and 2024)
- Jewel of Saveetha Award — Saveetha Management
- Bronze Partner recognition — Infosys Campus Connect
- Top Finalist, Best Techno Faculty — ICTACT BRIDGE (2014)
- Best NSS Unit and Programme Officer — Governor of Tamil Nadu (2006)
- Best Teacher Award — received over multiple years

RECENT SPECIAL SESSIONS DELIVERED / PROFESSIONAL ACTIVITIES

- "Emerging Quantum Materials and their Technological Applications" – Two Weeks FDP on Quantum Frontiers (23 Sep 2026)
- "Raising Capital and Finance Management for Start-ups" — Saveetha Engineering College (23 May 2026)
- "Digital Forensics Role in Cyber Crime Investigation" — ATAL FDP, Tagore Engineering College (15 July 2026)
- "As Engineers — Let Us Be the Change" — St. Joseph University (29 August 2025)
- Chief editor, Disruptive Technologies for Sustainable Development — CRC Press / Taylor & Francis (2024)
- Keynote speaker, International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT 2023)
- Remote centre coordinator for IIT Bombay / IIT Kharagpur NMEICT project; organised 30 government-sponsored FDPs

PROFESSIONAL MEMBERSHIPS

- Association for Computing Machinery (ACM) — Professional Member - 4426126
- IEEE – Professional Member # 102802613
- IEEE – Society of Information Theory – Faculty Coordinator
- Indian Society for Technical Education (ISTE) — Life Member
- International Association of Computer Science and Information Technology (IACSIT)
- Internet Society — Individual Life Member
- Cryptology Research Society of India — Life Member
- Computer Science Teachers Association (CSTA)
- International Association of Engineers (IAENG)
- Transportation Research Group of India — Life Member

OTHER DETAILS

- Author, Database Management System — Anna University, Centre for Distance Education (2008)
- Author, Programming and Data Structures — Sams Publishers (2016)
- Student project mentorship includes national-level hackathons and robotics initiatives