



Name: Dr. D. Ganesh Gopal

Designation: Professor

E mail ID: ganeshgd@srmist.edu.in

Educational Qualification

- Ph. D - VIT University, Vellore, Tamil Nadu, India, ComputerScience & Engineering. 2015
- M. Tech – VIT University, Vellore, Tamil Nadu, India Information Technology 2005
- B. E – University of Madras, Chennai, Tamil Nadu, India, ComputerScience & Engineering, 2002

Publications

SCI

1. “DDNSAS: Deep reinforcement learning based deep Q-learning network for smart agriculture system”, Sustainable Computing: Informatics and Systems, Volume 39, September 2023, Impact Factor 4.5, Q2 Journal.
2. “Intelligent AI-based Healthcare Cyber Security System using Multi-Source Transfer Learning Method”, ACM Transactions on Sensor Networks, First published on 15 May 2023, <https://dl.acm.org/doi/abs/10.1145/3597210> , Impact Factor 3.389, Q1 Journal.
3. “Enhancing network lifespan in wireless sensor networks using deep learning based Graph Neural Network”, Physical Communication, Volume 59, August 2023. Impact Factor 2.379, Q2 Journal.
4. “AI Assisted Deep NLP based Approach for Prediction of Fake News from Social Media Users”, IEEE Transactions on Computational Social Systems, First published on 29 March 2023, <https://ieeexplore.ieee.org/abstract/document/10086954>, Impact Factor 4.747, Journal.
5. “An integrated security approach for vehicular networks in smart cities”, Transactions on Emerging Telecommunications Technologies, (ETT) – Wiley, First published on 15 March 2023, <https://doi.org/10.1002/ett.4757> , Impact Factor 3.31, Q3 Journal.
6. “Intelligent Task Scheduling Approach for IoT Integrated Healthcare Cyber Physical Systems”, , IEEE Transactions on Network Science and Engineering, Early Access Article, DOI: 10.1109/TNSE.2022.3223844 , Impact Factor 5.033, Q1 Journal.
7. “Ambient intelligence approach: Internet of Things based decision performance analysis for intrusion detection”, Computer Communications - Elsevier, Volume 195, November 2022, Impact Factor 5.047, Q1 Journal.
8. “IADF-CPS: Intelligent Anomaly Detection Framework towards Cyber Physical Systems”, Computer Communications - Elsevier, Volume 181, April 2022, (SCI),

Impact Factor 5.047, Q1 Journal.

9. "Secure Data Transmission in Internet of Medical Things using RES-256 Algorithm", IEEE Transactions on Industrial Informatics, Volume 18, Number 12, December 2022, Impact Factor 11.648, Q1 Journal.

10. "Integration of IoT based Routing Process for Food Supply Chain Management in Sustainable Smart Cities", Sustainable Cities and Society (Elsevier), Volume 76, January 2022, Impact Factor 10.696, Q1 Journal.

11. "Effective Task Scheduling with Deep Learning for Internet of Health Things (IoHT) in Sustainable Smart Cities", Sustainable Cities and Society (Elsevier), Volume 71, August 2021, Impact Factor 10.696, Q1 Journal.

12. "A Dual Deep Neural Network with Phrase Structure and Attention Mechanism for Sentiment Analysis", Neural Computing and Applications, - Springer, Volume 33(17), September 2021 Impact Factor 5.102. Q1 Journal.

13. "Energy Efficient Optimal Parent Selection in RPL Using Firefly Optimization Algorithm for Internet of Things", Transactions on Emerging Telecommunications Technologies, (ETT) –Wiley, Volume 32 Issue 8, August 2021, Impact Factor 3.31, Q3 Journal.

14. "Public Key Encryption with Equality Test for IIoT system in Cloud Computing", Transactions on Emerging Telecommunications Technologies (ETT) – Wiley, Volume 33 Issue 4, April 2022, Impact Factor 3.31, Q3 Journal.

15. "Optimization of Routing based Clustering Approaches in Wireless Sensor Network – Review and open Research Issues", Electronics– MDPI, Volume 9(10), October 2020, Impact Factor 2.690, Q2 Journal.

16. "A Heuristic Angular Clustering Framework for Secured Statistical Data Aggregation in Sensor Networks", Sensors – MDPI, Volume 20(17), September 2020, Impact Factor 3.847, Q2 Journal.

17. "Optimal Virtual Machine Selection for Anomaly Detection Using Swarm Intelligence Approach", Applied Soft Computing - Elsevier, Volume 84, November 2019, Impact Factor 8.263, Q1 Journal.

ESCI & Scopus

1. "Performance Analysis of Machine Learning Algorithms for Big Data Classification: ML and AI based Algorithms for Big Data Analysis", International Journal of E-Health and Medical Communications (IJEHMC) – IGI, Vol. 12(4), 2021, (ESCI) & (Scopus).

2. "Communication Trust and Energy Aware Routing Protocol for WSN using D-S Theory", International Journal of Grid and High-Performance Computing (IJGHPC) - IGI, Vol.12 (4), 2021, (ESCI) & (Scopus).

3. "A Smart Parking System Using IoT", World Review of Entrepreneurship, Management and Sustainable Development (WREMD) - Inderscience, Vol. 15(3), 2019 (Scopus).

4. "Selfish Node Detection Based on Evidence by Trust Authority and Selfish Replica Allocation in DANET." International Journal of Information and Communication Technology (IJICT) - Inderscience, Vol. 9(4), 2016 (Scopus).

5. "A Secured Cloud System and Log Records based on 2LE", International Journal of Applied Engineering Research, Vol. 9(20), 2014, pp 7435-7451 (Scopus).

6. "A Novel way of integrating voice recognition and one-time passwords to prevent password phishing attacks", International Journal of Distributed and Parallel Systems (IJDPS), Vol.5 (4), 2014 (Scopus).

7. "Practical System for Querying Encrypted Data on the Cloud", International Journal of Engineering & Technology. Vol. 5 (2) 2013 (Scopus).

Other Publications

1. "Synthetic Aperture Radar Images for Unsupervised Change Detection Using NSCT Fusion scheme", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol. 5, Issue 4, April 2018.
2. "Fuzzy Based Energy Aware Routing Method with Trustworthiness for MANET", International Journal of Electronics and Information Engineering (IJEIE), Vol.3 No. 2, 2015, pp 67-80.
3. "A Novel Trust Based System to Detect the Intrusive Behavior in MANET", International Journal of Electronics and Information Engineering (IJEIE), Vol.3 No.1, 2015, pp 31-43.
4. "A Novel approach for encryption and decryption using scrambling technique", International Journal of Computer Information Systems, Vol. 4 No.3, 2012.
5. "A Novel Approach for Efficient Resource Utilization and Trustworthy Web Service", International Journal of Computer Science and Security, Vol. 5 No.2, 2011, pp 168-180.

International Conferences Publications

1. "Wireless Body Area Networks utilizing Data Transmission Techniques based on Prediction", 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom), 2023, (Scopus).
2. "Scalable and Secure Data Sharing for Dynamic Groups in Cloud", IEEE – International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)- 2014, PP1697-1701. (Scopus).
3. "Cryptanalysis of oPass", IEEE - International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)-2014, PP 1945-1950. (Scopus).
4. "Interaction with Computer via SMS using GSM Technology" has been published in ICT2010, pp 132-134.
5. "Effective Forgery Attack on Yang-Wang-Chang Password Authentication Scheme with Smart Card", ICT-2010, pp 132-134.
6. "Wireless and Mobile Networks" Emerging Technologies-CET-2007, pp 45-55.
7. "Wireless Hotspots ", Advance Computing and Communication-ICACC-2007, pp id-141.

Awards and Achievements

2020 Nov – July 2021

Served as Vertical head of Artificial Intelligence & Machine Learning indepartment of Computer Science and Engineering, Chandigarh University, India.

2020 - Jan

Recipient of Galgotias University Research Award.

2019

Nominated as Research Coordinator for the School of Computing Scienceand Engineering, Galgotias University - from 25th July 2019.

Nominated as Funded Project Coordinator for the School of Computing Science and Engineering, Galgotias University – from 26th July 2019. Member of Technical Program Committee – 5th International Conferenceon Dependability in Sensor, Cloud and Big Data Systems and

Applications (DependSys 2019) - Guangzhou China 12-15 November

2019.

<http://ritechs.org/ITSC2019/index.html>

2018

Associate Dean for the School of Computing Science and Engineering, Galgotias University and Coordinated the entire functioning of the school with 183 faculties and about 8000 students.

Introduced and inducted a novel process of Mandates for overall for functioning of Galgotias University.

Started a Specialty Group and Centre of Excellence in Galgotias University.

2017

Recipient of VIT Research Award.

2014

One of the Best Performers in VIT's Performance Incentive (Top 10).

2013

One of the Best Performers in VIT's Performance Incentive (Top 15) to Keynote speaker/Session Chair for Various Premium International conferences till Date.

Workshops/Seminars/FDPs

1. Training Program on "Learner Centered Education, Technology Enhanced Learning, Tips for Effective teaching, Quality in Education, Course File Preparation, Evaluation of Students' Performance, E-learning, Micro Teaching and Quality Management Systems", during 9th – 15th June 2005, conducted by Academic Staff College, VIT University, Tamilnadu, India.
2. Training Program on "Academic Leadership" during 14th November 2015, conducted by Academic Staff College, VIT University, Tamilnadu, India.
3. Training Program on "The Art of Creative Teaching" during 14th November 2015, conducted by Academic Staff College, VIT University, Tamilnadu, India.
4. Training Program on "IQAC Day Brain Storming session" during 19th November 2015, conducted by Academic Staff College, VIT University, Tamilnadu, India.
5. Seminar on "Exploring Windows", during 15th March 2016, conducted by Academic Staff College, VIT University, Tamilnadu, India.
6. Training Program on "IPR Sensitization program" during 16th March 2016, conducted by Academic Staff College, VIT University, Tamilnadu, India.
7. Guest Lecture on "Feature extraction techniques in Image Processing" during 21st October 2016, conducted by Academic Staff College, VIT University, Tamilnadu, India.
8. Guest Lecture on "Incorporating Performance Testing Test - Driven Development" during 10th August 2016, conducted by Academic Staff College, VIT University, Tamilnadu, India.

Work Experience

July 2021 - present	Professor , SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh 201204, India
Nov 2020 - July 2021	Professor , Chandigarh University, Punjab, India
Aug 2018 - Jun 2020	Professor , Galgotias University, Uttar Pradesh, India
Aug 2017- Aug 2018 -	Associate Professor , Galgotias University, Uttar Pradesh, India
Sep 2015- Aug 2017	Associate Professor , VIT University, Vellore, Tamil Nadu, India
May 2012 - Sep 2015	Assistant Professor (Senior) , VIT University, Vellore, Tamil Nadu, India
Mar 2006 - May 2012	Assistant Professor , VIT University, Vellore, Tamil Nadu, India

Memberships

- Senior Member of the Institute of Electrical and Electronics Engineers (IEEE)
Member Number - 97953831
Uttar Pradesh Section
- Association for Computing Machinery (ACM)
Member Number - 9303312
- Computer Society of India (CSI)
Member Number - 11503190