

Name : Dr. R. Jeevitha
Designation : Assistant Professor
Department : Information Technology
Qualification : MCA.,M.Phil.,SET.,NET.,Ph.D.,
Experience : Teaching -6 Years 3 Months
Research : 7 Years
Area of Specialization(s): Mobile Computing, Computer Networks
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Academic Qualifications

Degree	Institution/University Name	Year of Graduation
NET	UGC	2025
Ph. D	Bharathiar University	2022
SET	Mother Teresa University	2018
M.Phil (CS)	Bharathiar University	2017
MCA	Sri Krishna College of Technology	2011
B.Sc.	PSG College of Arts and Science	2008

Additional Qualifications

Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	Generative AI for Everyone	Infosys Springboard	2025
Certification	Introduction to Artificial Intelligence (AI)	Coursera	2023
Certification	IT Fundamentals for Cybersecurity	Coursera	2022
Certification	Introduction to IoT and Embedded Systems	Coursera	2022

Research Publications (Indexed)

1. *Secure data transmission in Vehicular Ad hoc Networks (VANETS) through the Reputation Mixture Transition Circulation Algorithm*, IEEE Xplore (ACCEPTED FOR PUBLICATION)
2. *A framework for detecting and evicting malicious nodes in vehicular networks session Hijacking attack*, AIP Conference Proceedings, 3204, 050002, Feb 2025 (Scopus)
3. *CPDD: Clustering and Probabilistic-based Data Dissemination in Vehicular Adhoc Networks*, Indian Journal of Science & Technology, Volume 15, Issue 43, pp. 2303-2316, 2022. DOI: 10.17485/IJST/v15i43.1460 [Web of Science]
4. *Malicious node detection in VANET session hijacking attack*, 2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), IEEE Xplore, pp.1-6, 2019
5. *C2MTCR: Cluster-Based Communication and Merkle Hash Tree Certificate Revocation Model for VANETs*, International Journal of Scientific & Technology Research, Volume 9, Issue 1, pp. 698-705, 2020. ISSN: 2277-8616 [Scopus]
6. *Solutions to Overcome IPv4/IPv6 Compatibility Issues in Vehicular Adhoc Networks*, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume 9, Issue 1, pp. 4670-4675, November 2019. ISSN: 2278-3075 [Scopus]

7. *Multihop Broadcasting of Emergency Message Dissemination in Vehicular Adhoc Networks*, International Journal of Engineering Technology and Management Sciences, Issue 4, Volume 6, Aug-Sept 2022. ISSN: 2581-4621 [Indexed in Crossref]
8. *A Session-Based Secured Communication for Internetworking Environment in VANETs*, International Journal of Advance Research in Science and Engineering, Volume 6, Issue 12, pp. 137-147, December 2017. ISSN: 2319-8354
9. *A Comprehensive Study on Vehicular Ad hoc Networks (VANETs)*, Wide Spectrum Research Journal, Volume 6, No 4, pp. 42-52, November 2017. ISSN: 2005-4246
10. *Simulation and Analysis of AODV and DSDV Routing Protocols in VANETs Using Random Waypoint Mobility Model*, International Journal of P2P Network Trends and Technology (IJPTT), Volume 7, Issue 1, Feb 2017, pp. 1-5. [UGC Approved]
11. *How OOA, OOD, and UML are Used in Software Development Process*, International Journal of U- and E-Service, Science and Technology, Volume 10, No 1, pp. 243-256, January 2017. ISSN: 2005-4246
12. *An Efficient Data Transmission in VANETs Using AODV Routing Protocol*, Karpagam Journal of Computer Science (JCS), Volume 10, Issue 4, pp. 169-172, June 2016. ISSN: 0973-2926
13. *A Study and Performance Analysis of DSR Routing Protocols in VANET*, Karpagam Journal of Computer Science (JCS), Volume 10, Issue 6, pp. 300-304, September 2016. ISSN: 0973-2926
14. *Uncloud the Cloud of Cloud Computing*, International Journal of Computer Applications in Engineering Sciences (IJCAES - Special Issue on Artificial Intelligence and Soft Computing), Volume 1, pp. 386-390, December 2011. Print ISSN: 2331-4946
15. *A Top-Down Algorithm for Mining Maximal Traversal Paths in Web Log Sessions*, International Journal of Computer Applications (IJCA), Special Issue on “Computational Science - New Dimensions & Perspectives”, NCCSE 2011, February 2011, pp. 66-70. ISBN: 978-93-80746-41-0

Patent

S.No	Name of the Faculty	Title of the Invention	Application No.	Date of Filing	Publication Date
1.	Dr.R. Jeevitha	Autonomous Robotic Vehicle for Towing Carts	397672-001	15-10-2023	4-01-2024

Book Chapter Published

1. *A study on extending IoT applications in multiprocessing agricultural systems*, Taylor & Francis (CRC Press) 19 August 2025, eBook ISBN9781003658221, <https://doi.org/10.1201/9781003658221>
2. *An Empirical Study on Cybercrime Impacting People in Today's World*, Algorithms for Intelligent Systems, 2024, Pages 29-38 [Web of Science]
3. *An Overview of Internet of Vehicles (IoV)*, IIP Book Series Futuristic Trends in Computing Technologies and Data Sciences, Volume 3, 2023
4. *An Efficient Mechanism for Revocation of Malicious Nodes in Vehicular Adhoc Networks*, Advances in Intelligent Systems and Computing, Volume 1167, ISBN 978-981-15-5284-7, 2021, Springer Series [Scopus Indexed]
5. *Performance Comparison of AODV, DSR, DSDV and TORA Routing Protocols in Vehicular Adhoc Networks*, Securing the Future – Cyber Awareness and Tech Tools for Education, Govt. Nirbhay Singh Patel Science College Indore, ISBN 978-93-85438-72-1, 2024.

Acted as a Resource Person

- 1 Delivered guest lecture on 'Database Management system' for Senior Secondary students in Chandrakanthi Public School on 03.02.2024
- 2 Acted as a resource person for the FDP on “Ethical Use of AI tools in research and development” in Sethu Institute of Technology held on 17.7.2025

Reviewer in journal

- 1 Advances in Science, Technology and Engineering Systems Journal (ASTESJ)
- 2 Asian Journal of Pure and Applied Mathematics

Paper Presentations in Conference

- 1 *Secure data transmission in Vehicular Ad hoc Networks (VANETS) through the Reputation Mixture Transition Circulation Algorithm*, 11th International Conference on Smart Computing and Communications (ICSCC 2025), Muthoot Institute of Technology and Science, Kochi, Kerala, July 3 – 5, 2025
- 2 *Enhancing Agricultural Productivity with IoT: A Smart Sowing and Irrigation Approach*, International Conference on Recent Trends in Computational Technologies and Sustainable Development Goals (ICRTCTS-2025), PSG College of Arts and Science, 25th March 2025
- 3 *Campus Navigation System for PSGR Krishnammal College for Women*, International Conference on Emerging Trends in Science and Technology ICETST 2025, Sri Ramakrishna College of Arts & Science, 5th March 2025
- 4 *QR-code based Visitor Management System for PSGRKCW*, International Conference on "Diversity in Computational Excellence", Bharathiar University, 30th & 31st January 2025
- 5 *A Study on Extending IoT Applications in Multiprocessing Agricultural Systems*, International Conference on Emerging Trend in Intelligent Computing Techniques -2024, Driems University, 27th & 28th December 2024
- 6 *Design Innovation and Analytical Study of a Multifunctional Agricultural Machine Leveraging IoT Technologies*, 6th International Conference on Engineering and Advancement in Technology, Malla Reddy College of Engineering, Hyderabad, 27th-28th, September 2024
- 7 *An Empirical Study on Cybercrime Impacting People in Today's World*, International Conference on Innovations in Cybersecurity and Data Science, ICICDS-2024 Reva University, Bengaluru on 15-16, March 2024
- 8 *Multihop Broadcasting of Emergency Message Dissemination in VANETs*, Second International Conference on Modern Computing Trends and Technology (ICMCTT - II), Kristu Jyoti College of Management and Technology, Kerala, 30-31 July 2022
- 9 *Data Analysis and Visualization of Covid-19 Dataset Using Power BI*, International Multidisciplinary Conference on Information Science, Management Research, and Social Sciences, AJK College of Arts and Science in association with ISMASI, Azteca University, 18-19 April 2022
- 10 *A Reliable Certificate Revocation of Malicious Nodes in VANET Session Hijacking Attack*, 8th International Conference on Advances in Information Technology and Networking (ICATN 19), Dr. G.R. Damodaran College of Science, 10 Nov 2021
- 11 *A Survey on Data Dissemination in Vehicular Adhoc Networks*, 7th International Conference on Advances in Information Technology and Networking, Dr. G.R. Damodaran College of Science, 7 Feb 2020
- 12 *An Efficient Mechanism for Revocation of Malicious Nodes in Vehicular Adhoc Networks*, Third International Conference on Big-Data and Cloud Computing (ICBDCC'19), Karunya Institute of Technology and Sciences, 6-7 Dec 2019.

- 13 *Detection of GPS Spoofing Attack in VANET Using Intrusion Detection System*, First International Conference on Advances in Electrical and Computer Technologies, 26-27 April 2019.
- 14 *Malicious Node Detection in VANET Session Hijacking Attack*, 3rd IEEE International Conference on Electrical, Computer, and Communication Technologies, SVS College of Engineering, 20-22 Feb 2019. DOI: 10.1109/ICECCT.2019.8869452 [Indexed in IEEE Xplore]
- 15 *Pseudonym Changing Strategies for VANETs*, 6th International Conference on Advances in Information Technology and Networking, Dr. G.R. Damodaran College of Science, 8 Feb 2019
- 16 *Session Hijacking Attack in VANETs*, 5th International Conference on Advances in Information Technology and Networking, Dr. G.R. Damodaran College of Science, 2 Feb 2018
- 17 *Simulation and Analysis of AODV and DSDV Routing protocols in Vehicular Adhoc Networks using Random Waypoint Mobility Model*, International Conference on Explorations and Innovations in Engineering & Technology, Hindusthan Institute of Technology, 18th & 19th March 2016.
- 18 *Quality of Service Analysis for Cluster-Based Routing Protocol in MANET*, 1st International Research Conference on Advances in Computer Science and Information Technology, KG College of Arts and Science, 4 Feb 2017
- 19 *Proposal of MANET Routing Protocol in VANET Environment*, International Conference on Simulation, Modeling, and Analysis (COSMA 2011), Amrita University, 16 Dec 2011
- 20 *Performance Evaluation of AODV in Grid Environment Using Random Direction Mobility Model*, International Conference on Computer Communication and Informatics (ICCCI 2011), Sri Shakthi Institute of Engineering and Technology, Coimbatore, 12 Jan 2011
- 21 *Intelligent traffic control system: an IoT-driven approach for smart cities*, 1st National Level Conference on Advancing Intelligence Using Quantum for Boundless Innovations in Technology (NCAIQUBIT-2025), Karpagam Academy of Higher Education ,4.3.25
- 22 *Accident identification with automatic ambulance rescue system*, 1st National Level Conference on Advancing Intelligence Using Quantum for Boundless Innovations in Technology (NCAIQUBIT-2025), Karpagam Academy of Higher Education ,4.3.25
- 23 *A Study on RPA Tools - UiPath, Blue Prism, and Automation Anywhere*, National Conference on Applications of Intelligent Robotic Process Automation, PSGR Krishnammal College for Women, 25 March 2022
- 24 *A Study and Performance Analysis of DSR Routing Protocols in VANET*, 4th National Conference on Recent Trends and Advances in Information Technology, Karpagam University, 23 Sept 2016
- 25 *QOS Analysis of AODV and TORA Routing Protocols in Mobile Adhoc Networks*, National Conference on Innovative Trends in Information Technology, KG College of Arts and Science, 13 Feb 2016
- 26 *Comparative Performance Analysis of AODV and DSDV Routing Protocols in Mobile Adhoc Networks*, National Conference on Next Gen-X Computer Applications and Technology (NCNGCAT 2016), SNMV College of Arts and Science, 10 Feb 2016
- 27 *Comparative Analysis of AODV and DSR Routing Protocols in MANET Environment*, 8th National Conference on Advanced Computing and Changing Paradigm in Computer Applications, Karpagam College of Engineering, 12 Feb 2016

Membership in Professional Bodies

Name of the Professional Body	Duration
ACM	1 year
ISOC Chennai Chapter	Life time

Indexing and Citations

H-Index- 5 Citations

Google Scholar	All	Since 2020
Citations	45	33
h-index	4	3
i10-index	1	1

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Gold Medal – University First Rank in MCA	Anna University of Technology	2011
Best Paper Award	IBM-HPC Road Show	2011
Academic Excellence Awards	Sri Krishna College of Technology	2008-2009, 2009-2010, 2010-2011
Best Presenter Award – International Conference on Intelligent Computing and Technology	Sri Ramakrishna College of Arts and Science	2017
Full Scholarship	Grace Hopper Celebration India	2019
Best Paper Award- Tamil AI conference	PSGR Krishnammal College for Women	2025

Participation in Faculty Development Programme

1. AICTE Training: IoT, Jawaharlal Nehru University, 31st May 2020 to 4th June 2020
2. Five days training on “Faculty Enhancement Programme” by KCW Teaching Learning Centre on 5-6-23 to 10-6-23.
3. One week FDP on “Stress Management”- Organized by IQAC of PSGR Krishnammal College for Women from 10-10-2022 to 18-10-2022
4. 5-day online faculty development programme on “Edge cutting technologies in IT field” organized by Rajapalayam Rajus’ College in collaboration with IGL Hands on Private Limited, USA from 19-09-2023 to 23-09-2023
5. FDP on “Data Acquisition with Python”, PSGRKCW, from 4.1.24 to 5.1.24
6. 7 days Online International Faculty Development Program on "Latest Trend and Techniques in Software Engineering: An Industry Perspective", CHRIST (Deemed to be University), Bangalore from 20/1/2024 to 27/1/2024
7. Five Days Virtual Faculty Development Programme on “Integration of Technology in Teaching: A Faculty Development Perspective” organized by IQAC Cell - Dr.R.V. Arts and Science College, from 29.01.2024 to 02.02.2024.
8. FDP -Consortium of Higher Educational Institutions for Research and Development (CHIRD) Tech-Driven Research: Leveraging AI, IoT and Collaboration for Academic Excellence, PSGRKCW (online) from 2.9.2024-7.9.2024
9. Maximizing Research Impacts: Publication and Beyond, PSGRKCW (IQAC & Research Cell), 26.09.2024 & 27.09.2024

10. Recent Advancements in AI and IOT-Industry Perspective, Periyar Maniammai Institute of Science & Technology, 25.11.24- 30.11.24
11. Unity AR / VR, PSGRKCW, 21.11.2024 & 22.11.2024
12. Exploring Entrepreneurial Opportunities: AI & IoT in Industry 4.0, PSGCAS (Online), 3.2.2025 - 7.2.2025
13. 5 Days National Level FDP on Innovative Trends in Artificial Intelligence for Teaching and Research, PSGRKCW, 27.1.2025-31.1.2025
14. IoT and Edge Intelligence, PSGRKCW, 18.2.2025 & 19.2.2025
15. Empowering Educators: Strengthening Cybersecurity Awareness, Defence & Research, PSGCAS, 24/02/2025 to 28/02/2025
16. Strategies and Techniques to Enhance Teaching, Learning Process Nagarajuna Degree College on 7/4/25 to 11/4/25
17. Strategies for authoring Impactful Research Articles ACT Academy on 15.6.2025
18. Framing Academic Curriculum for Universal Acceptance, ISOC Chennai Chapter on 9.7.2025

Conference /Seminar / Workshop Organized

- Organizing Member, National Conference on Applications of Intelligent Robotic Process Automation”, PSGR Krishnammal College for Women, 25th March 2022.

Contributions

- College Coordinator for Part IV Cybersecurity (UG), Blended Learning, 2023
- Overall college in-charge for NAAC Criteria 1.3.1, 1.3.2 & 1.3.3 from 2021 onwards.
- Developed e-Content for Cybersecurity.
- Editor, National Conference on Cybersecurity & Digital Forensics, PSGRKCW, 2022
- Department BOS member.
- Session Chair for Paper Presentation event in Interdepartmental Competition "Tech Sprint 2025", PSGRKCW, 31.01.2025.
- Session Chair for Paper Presentation in National Conference on Emerging Trends and Opportunities in Augmented, Virtual, and Mixed Reality, PSGRKCW, February 24-25, 2025.
- Session Chair for the Paper Presentation event in Tamil AI conference, PSGRKCW, 29.8.2025
- Reviewer, DST SERB Sponsored 6th International Conference on Computer & Communication Technologies (IC3T 2024), School of Computing, Mohan Babu University, Tirupati, Andhra Pradesh, 4th & 5th October 2024
- Technical Committee Member, 3rd International Conference on Advancements in Smart Computing & Information Security, Marwadi University, 16th to 18th October 2024
- Reviewer- Book Chapter- Certificate No: PRBPRR/5918R J -BP International, 2.7.2025
- Reviewer, IEEE 8th International Conference on Electrical, Control, and Computer Engineering (InECCE2025), Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia, 27th-28th August 2025
- Reviewer, Springer 8th International Conference on Intelligent Computing and Communication, (ICICC-2025), CMR Technical Campus, Hyderabad, 26th & 27th September 2025