

Dr.R.SHIDDHARTHY

D/O, M.RATHANASABAPATHY, B.Sc(Agri),
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**Google Scholar:**

https://scholar.google.com/citations?view_op=list_works&hl=en&user=XbdRMwUAAAAJ

PROFESSIONAL OBJECTIVE

To establish myself in the field of education, to utilize my skills and experience to help students to achieve high improvements in academics and research.

EDUCATION

Class/Course	Institution	Year of Pass	% Secured
Ph.D - Computer Science (Part– Time)	Sree Saraswathi Thyagaraja College, Pollachi (Bharathiar University, Coimbatore)	December 2024	Commanded
M.Phil – Computer Science (Full Time)	Karpagam University, Coimbatore	March 2011	56%
M.C.A	Madurai Kamaraj University, Madurai	October 2008	64%
B.Sc.(Computer Science)	Vidyasagar College of Arts and Science, Udumalpet	April 1999	53%
HSC	Rajalakshmi Gengusamy Matric Higher Secondary School, Udumalpet	March 1996	62%
SSLC	Sri Kannika Parameswari Higher Secondary School, Udumalpet	April 1994	63%

TECHNICAL QUALIFICATION

- Honors Diploma in Internet Programming (HDIP) Certificate – SSI Computer Education

WORK & RESEARCH EXPERIENCE

Total: 13 Years 6 Months

- Assistant Professor at Nallamuthu Gounder Mahalingam College, Pollachi (September 2022 to till date)
- Assistant Professor at Kamalam College of Arts & Science, Anthiyur (October 2012 to August 2022).
- Assistant Professor at Sri Subash College of Arts & Science, Coimbatore (SEP 2011 to SEP 2012 – One Year).

PUBLICATIONS

JOURNAL PUBLICATIONS

Total: 5 (Scopus: 2 UGC: 8)

1. International Journal of Science and Technology, “A Survey on Application of Automatic Braking and Pedestrian Safety in Intelligent Transport System”, Volume 4, Issue 9, September 2016. (UGC Reference Journal)
2. International Journal of Recent Scientific Research, “A novel cluster based efficient broadcasting protocol in vanets”, Vol. 9, Issue, 2(B), pp. 23874-23878, February 2018. (UGC Refereed Journal)
3. International Journal of Innovative Research in Computer and Communication Engineering, “A Review on Plants and Food Grains Disease Detection and Quality Checking using Image Mining Techniques”, October 2018.
4. International Journal of Research and Analytical Reviews (IJRAR), “OPPORTUNISTIC CLUSTER BASED BROADCASTING USING SELECTIVE RELIABLE BROADCAST IN VANETS”, Volume 6 Issue 2 May 2019. (UGC Refereed Journal)
5. Solid State Technology, “Efficient and Reliable Cluster Head Selection Mechanism to broadcast collision information in Vehicular Ad-hoc Network”, Volume: 63 Issue: 2s Publication Year: NOV 2020. (UGC Reference Journal)
6. Turkish Journal of Computer and Mathematics Education, (Scopus Index) “A Selective reliable communication to reduce broadcasting for cluster based VANET”, Vol.12 No.3 (JAN 2021), 4450-4457.
7. Journal of the Maharaja Sayajirao University of Baroda, “AN OVERVIEW OF CLOUD COMPUTING FOR THE ADVANCEMENT OF THE E-LEARNING PROCESS”, Volume-57, No.1(III), 2023. (UGC Reference Journal)

8. Journal of Nonlinear Analysis and Optimization, “MITIGATING BROADCAST STORM IN VANETS THROUGH KEY-BASED MESSAGE TRANSMISSION”, Vol. 15, Issue. 1, No.20 : January-June 2024. (UGC Reference Journal)
9. Journal of Nonlinear Analysis and Optimization, “PORTIONING CLUSTER RELIABLE BROADCAST (PCRB) THROUGH INDEX BASED MESSAGE -TRANSMISSION (IBM-T) TO AVOID COLLISION IN VANET”, Vol. 15, Issue. 02, No. 2, July-December 2024. (UGC Reference Journal)
10. Journal of Nonlinear Analysis and Optimization, “A NOVEL DRIVER SAFETY USING VANET TO CONTROL BROADCAST STORM BASED ON EFFECTIVE CLUSTER-BASED REBROADCASTING (ECR-B)”, Vol. 15, Issue. 02, No. 5, July-December 2024. (UGC Reference Journal)

BOOK PUBLISHED

Total: 01

1. Advanced Networking: VANET, Cluster Based Broadcasting Protocol with Selective Reliable Communication in VANET, ISBN No.: 978-620-7-45895-0

NATIONAL CONFERENCE

Total: 03

1. A Mobicast Routing Protocol in Vehicular Ad-Hoc Network. In 6th September 2011, National Level Conference on Recent Trends and Advances in the Field of Information Technology (NCIT 2011), Karpagam University
2. Elderly Pedestrian Safety Applications in Intelligent Transportation System. In 11th January 2017, National level Conference on Challenges in Computational Research and Applications, Sree Saraswathi Thygaraja College, Pollachi
3. An Elective Trustworthy Communication to Decrease Redundant Packets in VANET, In 10th January 2024, National level Conference on Deep Learning & Computer Interaction for Sustainability – DLCIS’24, UG Department of Computer Application, NGM College, Pollachi.

INTERNATIONAL CONFERENCE

Total: 05

1. Advanced Probability Based Vehicular Multi-Hop Strategies Protocol For Emergency Broadcasting in Vanets, Inter National Conference on Finance and Business Analytics (ICFBA 2021), 21 MAY 2021, CHRIST University, Pune.
2. Key Based Message Transmission to Avoid Broadcast Storm in VANET. 7th Global Conference on Computing and Media Technology, 14 SEP 2023, Asia Pacific University of Technology and

Innovation (APU), Kuala Lumpur, Malaysia.

3. Zone Routing Protocol (ZRP) based Effective Cluster based Re-Broadcasting (ECR-B) to control broadcast storm for driver safety in VANET, Inter National Conference, DRISHTI 2024, 11th SEP 2024, Vivekananda College of Engineering & Technology (VCET), Puttur, Karnataka.
4. Multi Custer Head Nomination to Control Broadcast Storm and RSU Overload in VANET, In 7th February 2025, International Conference on Recent Trends in Computer Science, Technology, Data Science and Applications (ICRTCTDA-2025), Vidyasagar College of Arts and Science, Udumalpet.
5. SAFETY MOBILITY DESIGN FOR PEDESTRIANS AND PERSONS WITH DISABILITIES IN VANET, In 25th March 2025, International Conference on Recent Trends in Computational Technologies and Sustainable Development Goals (ICRTCTS-2025), PSG College of Arts and Science, Coimbatore.

OTHER INFORMATION

- Qualification Approval No.: 148/A3/2016 & 19/03/2016 (Bharathiar University).
- Guided (M.Phil) : 02

SEMINAR & FDPs Attended

- Seminars Attended : 12
- Faculty Development Programs Attended : 10
- Workshops Attended : 07
- Webinars Attended : 20

PERSONAL PROFILE

Father's Name : Mr.M.Rathanasabapathy, B.Sc (Agri)

Mother's Name : Mrs.R.Mala

Son's Name : Mr.S.Sanjith Sujan, B.E

Marital Status : Divorsee

Date of Birth & Age : 10 October 1979 & 42

Gender : Female

Community : BC (Kongu Vellalar)

Linguistic Abilities

Speak & Write : English, Tamil

DECLARATION

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Place: Pollachi

Date: 22/05/2025



(R.Shiddharthy)