

**Name** : Dr. S. Shanthini

**Designation** : Assistant Professor

**Department** : Information Technology

**Qualification** : MSc., M.Phil., Ph.D.

**Experience** : Teaching – 2. 4 Years | Research – 7 Years | Industry – 1 Years

**Specialization:** Networking, AI and ML.

**Email (Official)** : shanthini.s@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Government Arts College (A), Coimbatore	2022
M.Phil.	Computer Science	Bharathiar University	2015
M.Sc.	Information Technology	K.S.G College of Arts and Science	2013
B.Sc.	Information Technology	K.S.G College of Arts and Science	2011

### Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / Agency Name	Year
Certification	NS2	Udemy	2021
Certification	C Programming	LinkedIn	2021
Certification	Python	LinkedIn	2021
Certification	Python	Udemy	2022
CCNA	Cisco Routers and	Cisco Certified Network	2015
Certification	Network Engineer	HCL Learning Ltd	2015

### Research Publications

S.Shanthini, Dr. D. Devakumari, **Review of Various Techniques on energy efficient, congestion control and trust-based routing in MANET**, International Journal for Science and Advance Research in Technology, Vol. 6, Issue-2, PP 21-25, Feb-20, ISSN: 2395-1052, (Indexed in Google Scholar).

S.Shanthini, Dr D. Devakumari, **RED Congestion Control with Energy Aware Auction Based Route Selection in MANET**, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, Issue-5, PP. 1970-1974, Jan-20, ISSN: 2277-3878, (Indexed in Scopus).

S.Shanthini, Dr. D. Devakumari, **Sealed-bid Auction based Energy Efficient Route Selection in Mobile Ad-hoc Network**, International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, Issue-3, PP. 7270-7273, Sep-19, ISSN: 2277-3878. (Indexed in Scopus).

S.Shanthini, Dr. D. Devakumari, **An Energy Efficient Techniques in MANETs Modified Trust Based Route Selection Algorithm**, International Journal of Pure and Applied Mathematics, Vol. 119, Issue, PP. 3215-3221, 8-Sep-18, ISSN 1314-3395. (Indexed in Scopus).

S.Shanthini, Dr. D. Devakumari, **A Survey on Trust Based Energy Efficient Routing in Distributed on Demand Routing for MANETs**, International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Vol. 7, Issue 3, May-18, ISSN 2319-1953. (Indexed in Google Scholar).

S. Shanthini, **Auction Game Theory Based Adaptive Position Update Strategy for Geographic Routing In MANET**, International Journal for Scientific Research and Development (IJSRD), Volume 3, Issue 10, PP 932-936, 02-Jan-16, ISSN 2321-0613. (Indexed in Google Scholar).

#### **Books/ Book Chapters Publication**

**Emerging Trends in Information Technology**, Unlocking Languages Digital Frontier a Comprehensive Review of Nature Language Processing, Sep-23, ISBN:978-81-965283-7-9.

**India @75: Presidency of G20: An Economic Perspective**, A Review of Economic Perspective Digitalization and Innovation Impacts Education, employment, health, and Social Policies, 2023, ISBN: 978-81-19674-84-8.

**Deep Learning in Engineering, Energy and Finance: Principals and Applications**, A Comprehensive Review of Learning Rules and Architecture of Perceptron in Artificial Neural Networks, CRC Publication (Chapter Accepted and Waiting for the publication)

#### **Presentations in Conference/ Seminar**

**Energy Efficient Congestion Control and Trust-based Routing Techniques for MANET using Sealed Bid Auction Game Theory**, International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020), Tribhuvan University, Nepal. 23&24-Jan-20. (**Springer Conference**).

**A Review on Adaptive Position Updation Techniques Used for Geographical Routing in MANET.** Proceedings of the National Conference on Challenges in Computational Research and Applications, Sree Saraswathi Thyagaraja College, Pollachi, 11-Jan-17.

#### **Participation in Conference/Seminar**

International Conference on Communication and Computer Networks of the Future (COMNET 2014), PSG College of Technology, Coimbatore, 14,15-Mar-14.

IEEE International Conference on Advances in Computer Applications (ICACA), Bharathiar University, Coimbatore, 24-Oct-2016.

National conference on advanced computing (NCAC 2016), Bharathiar University Coimbatore-46, 22,23-Sep-2016.

National Level Seminar Entrepreneurship Awareness Camp in G.R.D.Arts and Science College, Coimbatore, 21-23-Jan-09.

One-day training program on UGC- InfoNet Digital Library consortium Effective search Techniques, Bharathiar University, Coimbatore, 20-Nov-13.

National Seminar on Research Opportunities in Mobile Ad-hoc Network (NSROM 2013), Bharathiar University, Coimbatore, 06-Dec-13.

National Seminar on Emerging Research Challenges in Computer Science (ERCCS 2014), Bharathiar University, Coimbatore, 28,29-Jan-14.

National Seminar on Wireless Communication and Mobile Computing (NSWCMC 2014), Bharathiar University, Coimbatore, 27,28-Feb-14.

International Symposium, Sri Sarada college for women (Autonomous), Salem, 26- Jul-17.

#### **Participation in Faculty Development Programme**

**Fast publication in SCIE journals,** Top Engineers – India in association with MECHANICA'2023 IIT Madras, 18-Jan-24 to 19-Jan-24.

**Empowering Education with AI-based Learning Concept for Global Competence**, Holy Cross College (Autonomous), 29-Jan-24 to 31-Jan-24.

**Tips and Tricks to crack UGC NTA NET/JRF/SET in Paper-1**, Agurchand Manull Jain College, Chennai, 24-Nov-23 to 30-Nov-23.

**Cloud Infrastructure (AWS)**, Rajiv Gandhi Arts and Science College, Puducherry, in collaboration with Brainovision Solutions India Pvt Ltd and all India Council for Technical Education (AICTE), 21-Aug-23 to 25-Aug-23.

**How to Write and Publish the research papers in Scopus/WOS/ESCI indexed journals**, JAS Research Park in association with the Institution's innovation cell (IIC) of Jappiaar College of Arts and Science, Chennai, 29-Jul-23.

**Open Source Tools for Teaching and Research**, The Ministry of Education and Pandit Madan Mohan Malaviya National Mission on Teachers on Teaching, Ramanujan College, University of Delhi. 12-18 Sep-23.

**Strategic Guidance for NTA NET in Computer Applications**, SRM Institute of Science and Technology. 03-Jun-23 to 11-Jun-23

### **Participation in Workshop**

**VB.Net**, K.S.G College of Arts and Science, Coimbatore, 9-Feb-10 to 11-Feb-10.

**Network Security**, SNR Sons College, Coimbatore, 1,2 Mar-16.

**Network Simulator (NS2)**, Kongu Engineering College, Perundurai, Erode, 4,5 Aug-17.

**Predictive Analytics of Environmental Changes in Remote Sensing**, PSGR Krishnammal College for Women, 22,23 Jan-18.