

Name : M. Savithri

Designation : Assistant Professor (SG)

Department : Computer Science

Qualification : M. Com., M.C.A., M. Phil., (Ph. D.)

Experience:

Teaching: 13 Years Industry: Nil Research: 7 Years

Area of Specialization(s) : Computer Networks, Mobile Ad-hoc Network

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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Bharathiar University, Coimbatore	Pursuing
M. Phil.	Computer Science	Mother Teresa Womens University, Kodaikanal	2007
M.C.A.	Computer Applications	Bharathiar University, Coimbatore	2004
M. Com.	Commerce	Bharathiar University, Coimbatore	2017
B. Com.	Computer Applications	Annamalai University	1998

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certification	Stress Management	NPTEL	2018
Online Certification	Introduction to R Software	NPTEL	2017
Online Certification	Putting Social Media to Work for Your Coaching Business	Udemy	2016
Online Certification	Getting Started with Google Analytics	Udemy	2015
Online Certification	Big Data Fundamentals	Big Data University	2015
Certification	Cloud Infrastructure and Services	EMC Academic Associate	2014
Certification	.NET Programming	ICT Academy, Tamil Nadu	2010
Certification	Apparel Merchandising and Quality Control	NIFT-TEA Knitwear Fashion Institute	2005
Technical	Typewriting Tamil Junior Grade	Department of Technical Education	1996
Technical	Typewriting English Senior Grade	Department of Technical Education	1995

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	5	1

Research Publications (Indexed)

International

- 1) Mercy, M. Savithri, **Cloud Data Security With Mixed Algorithms**, IOSR Journal of Engineering, Vol. No. 4 Special Issue, ICCIDS 2018, pp. 81-84, 2018, ISSN: 2250-3021, (Indexed in UGC).
- 2) M. Savithri, A. Mercy, **Survey on Security Issues and Challenges in Cloud Computing**, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol. 3 No. 2, pp. 195-201, February 2018, ISSN: 2456-3307, (Indexed in UGC).
- 3) M. Savithri, M. Rajesh Babu, **Energy based Efficient Authenticated Routing Protocol for Manets for DDOS Attacks with Minimized Power Consumption**, International Journal of Networking and Virtual Organizations , Vol. 19 No.2/3/4, pp. 1-16, 2018, ISSN (Online): 1741-5225, ISSN(Print): 1470-9503, (Indexed in SCOPUS).
- 4) M. Savithri & M. Rajesh Babu, **A Survey on Routing Study of Difference Ad-Hoc Routing Protocols based on Qualitative Parameters**, International Journal of Applied Engineering Research, Vol.10 No.20, pp. 20198-20203, ISSN: 0973-4562, (Indexed in UGC/ SCOPUS).
- 5) M. Savithri & C. Arun, **Energy Efficient Zone based Routing Protocol for Power Heterogeneous Manets**, International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 5, No. 10, pp.507-511, October 2015, ISSN:227 128X, (Indexed in UGC).
- 6) Shobana. V, Maheshwari. S & Savithri. M, **Study on Bigdata with Data Mining**, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, No. 4, pp.381-383, April 2015, ISSN (Online): 2278-1021, ISSN (Print): 2319-5940, (Indexed in Google Scholar/ NAAS Science Journal).
- 7) Shobana. V, Maheshwari. S & Savithri. M, **Social Networking Merits And Demerits Review**, International Journal of Engineering and Management Research, Vol. 5, No. 5, pp.65-68, October 2015, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962, (Indexed in Google Scholar).
- 8) M. Savithri & C. Arun, **Concise of Mobile Adhoc Network**, Indo Global Journal of Applied Engineering, Vol 3, No. 1, pp. 28-30, May 2015, ISSN :2321-5267, (Indexed in Google Scholar).

- 9) R. Amutha & M. Savithri, **Diagnosis and Prognosis of Breast Cancer using Data Mining Techniques**, Paripex-Indian Journal of Research, Vol. 4, No. 3, pp. 6-8, March 2015, ISSN: 2250-1991, (Indexed in Google Scholar).
- 10) R. Amutha & M. Savithri, **A Study on Intrusion Detection in Mobile Ad Hoc Networks**, International Journal of Computer Science and Information Technologies, Vol. 6, No. 1, pp. 682-684, 2015, ISSN: 0975 9646, (Indexed in Google Scholar).
- 11) M. Savithri & C. Arun, **Survey On Speed Issues In Mobile Computing**, International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 5, No. 1, pp. 435-438, January 2015, ISSN:227 128X, (Indexed in UGC).
- 12) R. Amutha & M. Savithri, **A Study on Data Mining in Telecommunication Industry**, International Journal of Scientific Research in Computer Science Applications and Management Studies, Vol.3, No. 3, May 2014, ISSN : 2319 – 1953, (Indexed in UGC).
- 13) M. Savithri & P. Dharani Selvi, **Detection of Clone Misbehavior using Cross Layer AODV**, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, No. 3, pp. 1478-1480, March 2013, ISSN (Print): 2319-5940 ISSN(Online): 2278-1021, (Indexed in Google Scholar/NAAS Science Journal).

Other Publications: International / National Journals

- 1) M. Savithri, **A Review on Types of Attacks in Mobile Ad-Hoc Networks**, International Journal of Research Issues in Computing Sciences, Vol. 1, No. 1, August 2013.

Presentations in Conference

- 1) **Cloud Data Security with Hybrid Algorithm**, International Conference on Computational Intelligence and Data Science, Sankara College of Science and Commerce, Coimbatore, 10-Oct-18.
- 2) **Cloud Data Security**, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.
- 3) **A Study on Internet of Things and its Applications in Healthcare**, International Conference on Innovations in Green Energy and Health Care Technology, Dr. N.G.P. Institute of Technology, Coimbatore, 16 TO 18-Mar-17.

- 4) **Power Aware and Energy Efficient Routing Protocol for Wireless Sensor Networks**, National Conference on Cognitive Science Research in Computer Science and Management, Coimbatore Institute of Management and Technology, Coimbatore, 16-Sep-16.
- 5) **Overview of Mobile Computing**, National Conference on Information and Image Processing, Sankara College of Science and Commerce, Coimbatore, 27-Feb-15.
- 6) **Concise of Mobile Ad-Hoc Networking**, International Conference on Competency Building Strategies in Business and Technology for Sustainable Development, Sri Ganesh School of Business Management, Salem, 20-Feb-15.
- 7) **Overview of Information Security**, PSGR Krishnammal College for Women, Coimbatore, 29-Jan-15.
- 8) **Social Networking-Merits and Demerits: A Review**, National Conference on Innovative Trends in Information Technology, KG College of Arts and Science, Coimbatore, 7-Feb-15.
- 9) **Intrusion Detection in Mobile Ad-Hoc Network**, UGC Sponsored National Conference on Cyber Security, PSGR Krishnammal College for Women, Coimbatore, 9 to 10-Jan-14.
- 10) **Security Attack in Mobile Adhoc Network**, National Conference on Innovations in Communicative world, Dr. N.G.P. Arts and Science College, Coimbatore, 27-Sep-12.
- 11) **A Survey on Types of Attacks in Mobile Adhoc Network**, UGC Sponsored National Conference on Web Science and Technology in Association with ICTACT, PSG College of Arts and Science, Coimbatore, 10 to 11-Oct-12.
- 12) **Wireless Fidelity (Wi-Fi)**, National Seminar on Crystallizing Trends in IT, Sankara College of Science and Commerce, 15-Feb-12.
- 13) **The Role of Computers in Teaching-Learning Process**, IQAC Sponsored State Level Conference on Achieving Academic Excellence Through Internal Quality Assurance Cell, Dr. N.G.P. Arts and Science College, Coimbatore, 9 to 10-Dec-11.
- 14) **Water Marking Techniques on Finger Print**, National Conference on Multimedia Signal Processing and Networking, Dr. N.G.P. Institute of Technology, 30-Oct-10.
- 15) **Cloud Computing**, National Conference of Futuristic and Advance Computing Technologies, Loyola College, Chennai, 26 to 27-Feb-10.

Participation in Conference

International

- 1) Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.

Participation in Seminars

- 1) **Quality Enhancement in Higher Education**, Internal Quality Assurance Cell, Sankara College of Science and Commerce, Coimbatore, 7-Jan-17.
- 2) **Research Methodology**, Asan College of Arts and Science, Karur, 5-Oct-16.
- 3) **Tools and Techniques to do a Research and to Improve Scholarly Writing Skills**, Department of Computer Science, Karpagam University, Coimbatore, 30-July-16.
- 4) **Cyber Security Awareness and Defense Techniques**, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.
- 5) **Big Data Storage and Analytics**, Dr. N.G.P. Institute of Technology, Coimbatore 27-Dec-13.
- 6) **Embedded Computing Systems**, Dr. N.G.P. Institute of Technology, Coimbatore, 30-Jan-13.
- 7) **Research Issues in Computer Science**, Vellalar College for Women, Erode, 8-Feb-12.

Participation in Workshop

- 1) **Hands on Training on LaTeX Documentation Tool**, Sri Ramakrishna Engineering College, Coimbatore, 7 & 8-Sep-18.
- 2) **Innovative Research in Pedagogy for Mini-Moocs Blended with Instruction Strategies to Enhance Quality of Higher Education**, Amirta University, Coimbatore, 23 & 24-Sep-17.
- 3) **Applications of Statistical Tools Using R-Language – A Hands On Training**, Department of Mathematics, Dr. N.G.P. Arts and Science College, Coimbatore, 23 & 24-Sep-16.
- 4) **Science Academies' Lecture Workshop on Internet of Things: A Research Perspective for Smart Environment**, School of Information Technology and Science, Dr. G.R. Damodaran College of Science, Coimbatore, 15 & 16-Apr-16.
- 5) **Network Simulator QUALNET 4.5 & Network Emulator EXATA**, Chettinad College of Engineering and Technology, Karur, 3 & 4-Mar-14.

- 6) **Data Mining & its Application using Rapid Miner**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Dec-13.
- 7) **Enhance Teaching Skills - Mission 10x**, Wipro, Dr. N.G.P. Arts and Science College, Coimbatore, 6 to 8-Sep-13.
- 8) **Arts of Research**, PSG College of Technology, Coimbatore, 24-Aug-13.
- 9) **Socket Programming and Network Simulation Using NS2**, RMK Engineering College, Kavaraipettai, 14-Dec-12.
- 10) **Research Paradigms in Networking and Communications**, SVS Institute of Computer Application, Coimbatore, 30 to 31-Mar-12.
- 11) **Ethical Hacking**, Government College of Technology, Coimbatore, 29-Feb-12.
- 12) **.NET**, Microsoft IT Hyderabad, Dr. N.G.P. Institute of Technology, Coimbatore, 23-Sep-11.

Participation in Orientation Programme / Short Term Courses

- 1) **How to do Research in Computer Science**, Hindustan College of Arts and Science, Coimbatore, 21-Jan -15.
- 2) **Learn bhharathi - Faculty Orientation Programme**, TCS iON, Hindusthan College of Arts and Science, Coimbatore, 22-Aug-14.

Participation in Faculty Development Programme

- 1) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
- 2) **Pedagogy for Online and Blended Teaching-Learning Process**, Online and Aview Interaction (AICTE Approved), PSG College of Technology, 14-Sep-17 to 12-Oct-17.
- 3) **Foundation Program in ICT for Education**, Online and Aview Interaction (AICTE Approved), PSG College of Technology, 3-Aug-17 to 13-Sep-17.
- 4) **Internet of Things (IoT)**, Bharathiar University, Coimbatore, 10 to 11-Jul-17.
- 5) **Faculty Development Programme**, Kongunadu Arts and Science College, Coimbatore, 27-Sep-14.
- 6) **Cloud Infrastructure & Services**, ICT Academy of Tamil Nadu, Avinashilingam University-Faculty of Engineering, Coimbatore, 28-Apr-14 to 3-May-14.

- 7) **Intelligent Software Agents for Knowledge Engineering**, IEEE Madras Section, Karunya University, Coimbatore, 24 to 25-Apr-09.

Conference / Seminar / Workshop Organized

- 1) Treasurer, FDP on Quality Measures in Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
- 2) Editorial Team Member, International Conference on Research Trends in Computing Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Aug-18.
- 3) Committee Member, National Conference on Innovations in Communicative World, Dr. N.G.P. Arts and Science College, Coimbatore, 27-Sep-12.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Internet Society	Life-time	-
Science and Engineering Institute	Life-time	-
International Association of Engineers	Life-time	-
Society of Digital Information and Wireless Communication	Life-time	-