

Name : Dr. M. Nalini
Designation : Assistant Professor
Department : Information Technology
Qualification : M.Sc., M.Phil., Ph.D.
Experience : Teaching - 17 Years | Research - 15 Years
Specialization : Image Processing, Big Data Analytics
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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Rathinam College of Arts and Science	2026
M.Phil.	Computer Science	PSG College of Arts and Science	2008
M.Sc.	Computer Science	Gobi Arts & Science College	2006
B.Sc.	Computer Science	Gobi Arts & Science College	2004

Additional Qualifications

Dip./Cert	Specialization	Institution / University / Agency	Year
Certificate	Foundations of Cybersecurity	Coursera	2025
Certificate	Advanced level	Innovation Ambassador Training	2026
Certificate	Foundation Level	Innovation Ambassador Training	2026
Certificate	Cloud Infrastructure & Services	Innovation Ambassador Training	2026

Patent

Title	Status	Year
Road Accident Analysis Using Machine Learning	Published	2025

Research Guidance

Programme	No. of Scholars	
	Awarded	Completed
M.Phil.	4	1

Research Publications

- M.Nalini, **social media and Its Effect on Democracy and Misinformation with the Role of Artificial Intelligence**, IJIRT, January 2025, Volume 11 Issue 8 | ISSN: 2349-6002
- M.Nalini, **Deep Learning Enabled Whale Optimization Algorithm for Accurate Prediction of RA Disease**, The International journal, Serie De Conferencias 2024 Vol.3(652),2024, ISSN 2953-4860
- M.Nalini, **Implications of Enriched DNN By Using Machine Learning Models for Grading of Metacarpophalangeal Rheumatoid Arthritis Prediction**, The International journal of Interdisciplinary organizational studies ,2155-2162, CG Scholar 2023.
- M.Nalini,**A Survey of Deep Neural Network Predictive Models for Rheumatoid Arthritis Diagnosis in Indian Journal of Natural Sciences**, ISSN: 0976 –0997, Vol.14 Issue 78, June 2023.
- M.Nalini, **Fruit fly optimization algorithm based modified least squares twin SVM for grading of Metacarpophalangeal Rheumatoid Arthritis**, International Journal of Health Sciences (IJHS), 26-05-2022 6(S4), 2743–2760.
- M.Nalini, **Analysis of Top Query for Data Stream Using Classification Adaptive Model**, International journal of Computer Science and Engineering, IJCSE, e-ISSN: 2347-2693,2018

Books/ Book Chapters Publication

- M.Nalini, **Deep Learning with Python**, ISBN-9789349 833616, Priyam Publications, 2026.
- M.Nalini, **Java Blueprint from Beginners to Pro**, ISBN-9798301 258329, Scientific Research Publications, February 2025,
- M.Nalini, **From Pixels to Perfection: Unlocking the potentials of Image Processing in Digital Media**, ISBN-9781234 567897, Scientific Research Publications, April 2025.

Presentations in Conference/Seminar

- M.Nalini, **Ensemble Machine learning for Advanced Network Security in Cyber Security Systems**, IEEE, Sri Ramakrishna Engineering College,12-Dec-25 and 13-Dec-25.
- M.Nalini,**AI for Renewable Optimization**, International Conference, KPR College of arts and Science and Research, Coimbatore, 12-Sep-2025 and 13-Sep-2025.

- M.Nalini, **Analysis of Top Query for Data Stream Using Classification Adaptive Model**, International Conference, KSG College of Arts and Science, 28-Feb-2018.
- M.Nalini, **A Content based Image Retrieval System**, National Conference, Department of Information Technology, Dr.N.G.P. Arts & Science College, Coimbatore, 21-Feb-2013.
- M.Nalini, **Lossless Compression of Gray-Scale images**, National Conference, Gobi Arts & Science College, Gobichettipalayam, 09-Mar-2007 and 10-Mar-2007.
- M.Nalini, **Skeletons in Digital Image Processing**, National Conference on Web Services, PSG College of Arts & Science, Coimbatore, 20-Mar-2007 and 21-Mar-2007.

Participation in Faculty Development Programme/Seminars/Workshops

- M.Nalini, **Agentic AI – Building the Next Generation of Autonomous Intelligence**, KPR College of Arts and Science and Research, Coimbatore, 31-Mar-26 to 04-Apr-26.
- M.Nalini, **Intelligent Automation for the Digital Age**, Department of Computer Studies, Hindusthan College of Arts and Science, Coimbatore, 10-Sep-2025 to 16-Sep-2025.
- M.Nalini, **Advancing AI/ML Education and Research: Trends, Tools & Ethics for a smarter Future**, Department of CSA-AI&ML, SRM Institute of Science and Technology, Ramapuram, 15-Sep-2025 to 23-Sep-2025.
- M.Nalini, **NEP 2020 Orientation and Sensitization Programme, Malavia Mission Teacher Training Programme (MM-TTP)** Bharathiar University, Coimbatore, 04-Aug-2025 to 13-Aug-2025.
- M.Nalini, **Recent Research Trends and Challenges in Computer Science**, KG College of Arts and Science, Coimbatore, 24-Feb-2025 to 28-Feb-2025
- M.Nalini, **Explore the exciting world of cyber forensics**, Webinar, Computer Society of India, Coimbatore, 8-May-2024.
- M.Nalini, **Emerging Trends in Intellectual Property Rights**, Vimala College of Arts and Science, Thirissur, Kerala, 14-Aug-2023 to 21-Aug-2023.
- M.Nalini, **Future Prospects of Innovations in Computational Intelligence**, Hindusthan College of Arts and Science, 20-Sep-2023 to 27-Sep-2023.
- M.Nalini, **Bibliometrics of Research Articles**, RVS College of Arts & Science, Coimbatore, 12-Jan-2022.

- M.Nalini, **Advanced Techniques in Computing Sciences and Applications**, Saveetha College of Liberal Arts and Sciences, 19-Nov-2022 to 23-Nov-2022.
- M.Nalini, **Design Thinking on Innovation & Life Skills**, SNMV College Arts & Science, Coimbatore, 28-Oct-2022.
- M.Nalini, **Cyber Security in Block Chain Technology**, RVS College of Arts and Science, Coimbatore, 13-Mar-2021.
- M.Nalini, **FIP-Biostatistics and R Programming**, RVS College of Arts and Science, Coimbatore, 09-Aug-2021 to 19-Aug-2021.
- M.Nalini, **IOT based Biomedical Medical Engineering Application in 5G**, Sri Aumbindo Institute of Technology, 25-Jul-2020.
- M.Nalini, **Application of AI/ML to Modern Astronomy**, Sree Narayana Guru College, Coimbatore, 27-Jun-2020.
- M.Nalini, **Interdisiplinary Research and its Importance**, RVS College of Arts and Science, Coimbatore, 12-Jun-2020.
- M.Nalini, **Enhanced Development with Azure Cloud**, Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore, 30-May-2020.
- M.Nalini, **Beyond the boundaries:Reinventing Horizons**, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, 30-May-2020.
- M.Nalini, **Challenges of Working from Home**, Raj University, Gujarat, 12-Jun-2020.
- M.Nalini, **AI Based Proctoring in Next Generation Education**, Sri SHASUN Jain College for Women, Chennai, 23-May-2020.
- M.Nalini, **Effective Utilization of e-Resources in Library**, RVS College of Arts and Science, Coimbatore, 12-Nov-2019.
- M.Nalini, **Internet of Things**, Bharathiar University, Coimbatore, 10 & 11-Jul-2017.
- M.Nalini, **Advanced Excel for Techno Professors**, RVS College of Arts and Science, Coimbatore, 06-Apr-2017.
- M.Nalini, **Adoring a Bride**, RVS College of Arts and Science, Coimbatore, 06-Mar-2014.
- M.Nalini, **Application of Statistical in Research using MS-EXCEL**, RVS College of Arts& Science, Coimbatore, 28-Feb-2014.

- M.Nalini, **Appreciative Inquiry a Positive Approach**, Hindusthan College of Arts & Science, Coimbatore, 25-Aug-2012.
- M.Nalini, **Object Oriented Analysis and Design using UML**, PSG College of Arts & Science & IBM, 03-Dec-2008 to 06-Dec-2008.
- M.Nalini, **Object Oriented Analysis and Design using UML**, PSG College of Arts & Science & IBM, 12-May-2008 to 14-May-2008.
- M.Nalini, **New Teaching Paradigms**, PSG College of Arts & Science & Tata Consultancy Services, Coimbatore, 29-Aug-2007.
- M.Nalini, **Software Engineering**, PSG College of Arts & Science & Tata Consultancy Services Coimbatore, 30-Aug-2007.
- M.Nalini, **Network and Information Security**, PSGR Krishnammal College for Women, Coimbatore, 08-Jan-2007.