

Name : Dr. S. Maheshwari
Designation : Assistant Professor
Department : Computer Science
Qualification : MCA, M. Phil., SET, Ph.D.
Experience : Teaching -16.8 Years | Research -10 Years
Specialization: Image Processing, Data Analytics
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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Coimbatore Institute of Management and Technology, Coimbatore	2024
M.Phil.	Computer Science	Bharathiar University, Coimbatore	2008
MCA	Computer Applications	P.K.R. Arts College for Women, Gobichettipalayam	2006
BCA	Computer Applications	P.K.R. Arts College for Women, Gobichettipalayam	2003

Additional Qualifications

Dip./ Cert.	Specialization	Institution / Agency Name	Year
Certificate	Digital Teaching Techniques	ICT Academy	2020
Certificate	Python for Data Science	NPTEL	2019
Certificate	The Joy of Computing Using Python	NPTEL	2018
Certificate	Introduction to Soft Computing	NPTEL	2018
SET	Computer Science	UGC	2016

Research Publications (Indexed)

- Prakash E, Maheshwari S, **IOT Based Borewell Vehicle Status Using Microcontroller**, International Journal of Scientific Research in Engineering and Management (IJSREM), Vol.04. No. 03, Mar-2020, ISSN: 2582-3930, (Indexed in UGC).
- S. Maheshwari, Dr. P. Krishnapriya, **Fuzzy Mechanism for Gaussian Noise Reduction for Satellite Image Enhancement**, Journal of Theoretical and Applied Information Technology, Vol.96. No. 13, July 2018, ISSN: 1992-8645, (Indexed in SCOPUS).

- S. Maheshwari, Dr. P. Krishnapriya, **Improved Region of Interest (I-RoI) Based Segmentation for Contrast Enhancement in Satellite Images**, International Journal of Applied Engineering Research, Vol.13 No. 1, January 2018, ISSN: 0973-4562, (Indexed in UGC).
- S. Maheshwari, Dr. P. Krishnapriya, **Satellite Image Enhancement and Restoration – A Review**, International Journal of Computer Science, Communication Networks, Vol. 6 No. 4, pp. 198-204, August-September 2016, ISSN: 2249-5789, (Indexed in UGC).
- S. R. Kalaiselvi, S. Maheshwari, V. Shobana, **Web Mining – Data Mining Concepts, Applications, and Research Directions**, International Journal of Advanced Research in Computer and Communication Engineering, Volume 4, Issue 11, pp. 394-398, November 2015, ISSN (Online) 2278-1021, (Indexed in Google Scholar).
- V. Shobana, S. Maheshwari, M. Savithri, **Social Networking -Merits and Demerits: A Review**, International Journal of Engineering and Management Research, Volume-5, Issue-5, pp. 65-68, ISSN (ONLINE): 2250-0758, October-2015, (Indexed in Google Scholar).
- S. Maheshwari, Dr. P. Krishnapriya, **A Study on Inpainting and Gap Filling Algorithms for Removing Clouds in Satellite Images**, International Journal of Applied Engineering Research, Vol.10 No.55, June 2015, ISSN: 0973-4562, (Indexed in SCOPUS).
- V. Shobana, S. Maheshwari, M. Savithri, **Study on Big Data with Data Mining**, International Journal of Advanced Research in Computer and Communication Engineering, Volume 4, Issue 4, pp. 381 to 383, ISSN (Online) 2278-1021, April 2015, (Indexed in Google Scholar).

Other Publications: International / National Journals

- S.Sarathpriya, S.Maheshwari, **Biometric Detection using Fingerprint Recognition Part of the Retina**, International Journal of Innovative Research in Technology, Volume 7 Issue 11, Apr 2021, ISSN: 2349-6002.
- S. Divyaasri, S.Maheshwari, **Brain Tumor Classification**, International Journal of Innovative Research in Technology, Volume 7 Issue 11, Apr 2021, ISSN: 2349-6002.

- Sreeram. J, S.Maheshwari, **Hyper Local Delivery Application**, International Research Journal of Engineering and Technology(IRJET), Vol.07 No.2, Feb 2020, ISSN:2395-0056.
- V.Pargavi, R.Saraswathi and S.Maheshwari, **Bigdata – Overview, Goals and Challenges**, CiiT International Journal of Data Mining and Knowledge Engineering, Vol.12 No.1, January 2020, ISSN 0974-9683.
- S. Maheshwari, **A Study on Image Restoration Techniques**, International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 4 No. 5, May 2014, ISSN: 2277-128x.
- B. Dharanya, S. Maheshwari, **Effective Dimensionality Reduction based Clustering in Gene Data**, International Journal of Engineering Research and Technology, Vol. 2 No. 12, December 2013, ISSN: 2278-0181.

Presentations in Conference

- **Certain Investigation on Automated Night Surveillance using IoT**, National Conference on Advanced Computing Sciences (NCACS-2K23), Dr. N.G.P. Arts and Science College, Coimbatore, 16-Mar-23.
- **Intruder Detection and Home Automation using PIR Sensor**, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20
- **Hyper Local Delivery Application**, 10th National Conference on Machine Learning and Smart Technology (NCMLST-2020), Sri Krishna Arts and Science College, 12-Feb-20.
- **Big Data – Overview, Goals and Challenges**, UGC Sponsored International Conference on Recent Trends in Advanced Computing, Erode Arts and Science College, Erode, 13 & 14-Dec-19
- **Online Digital Image Based Crop Product Ordering System**, National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.

- **Region Based Image Segmentation – A Study**, National Conference on Emerging Trends in Computing and Intelligent Informatics, Dr. N. G. P. Institute of Technology, 08-Mar-19.
- **A Study on Inpainting and Gap Filling Algorithms for Removing Clouds in Satellite Images**, International Conference on Advances in Applied Engineering and Technology, Syed Ammal Engineering College, Ramanathapuram, 14 to 16-May-15.
- **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.
- **Comparative Study of Image Denoising Techniques**, National Conference on Recent Advances in Computing, Sri Krishna college of engineering and technology, 8-Mar-13 & 9-Mar 13.

Participation in Conference

- **Research Trends in Computer Technologies**, Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Jan-14.
- **Emerging Educational Model for 21st Century Learners**, Association of Principals of Colleges of Bharathiar University, Dr. N.G.P. Arts and Science College, 1-Aug-15.

Participation in Seminars

- **Sustainable Environment for Development of Crop returns in the Field of Agriculture Using IoT**, Dr. N.G.P. Institute of Technology, Coimbatore, 17-Mar-22.
- **Cyber Security Awareness and Defense Techniques**, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.
- **Big Data Storage and Analytics**, Dr. N.G.P. Institute of Technology, Coimbatore, 27-Dec-13.

Participation in Workshop

- **Outcome Based Education**, Dr. N.G.P. Arts and Science College in association with ipsr solutions limited, 04-Mar-23.
- **IEEE Xplore**, Dr. N.G.P. Arts and Science College, 25-Aug-22.

- **Changing course, transforming education**, Tamil Nadu State Council for Science and Technology, Chennai, 24-Jan-22.
- **NPTEL E-Awareness Workshop**, Dr. N.G.P. Arts and Science College, 06-Jan-22.
- **Data Analysis with Open-Source Software**, Madurai Kamaraj University, 21-Aug-21.
- **Copyrights in India**, Turnip Innovations, 20-Nov-20.
- **Pedagogy of Online Teaching and Assessment**, PSG College of Technology, 0-Aug-20.
- **Professional Ethics & Plagiarism and Strengthening Research for Quality Publications**, Sankara College of Science and Commerce, Coimbatore, 31-Aug-2019.
- **How to Tap Funding Agencies? Publishing Ethics & Plagiarism Tool & Reference Management Tools for Research**, Sankara College of Science and Commerce, 2-Mar-19.
- **Revised Assessment, Accreditation Framework of NAAC**, Ramakrishna Mission Vivekananda Educational and Research Institute, IQAC, Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 27-Oct-18.
- **Predictive Analytics of Environmental Changes in Remote Sensing**, PSGR Krishnammal College for Women, Coimbatore, 22 & 23-Jan-18.
- **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, 31-Jul-17.
- **How to Publish a Technical Paper with IEEE**, Coimbatore Institute of Technology and IEEE, Coimbatore, 25-Oct-16.
- **Data Mining and its Applications using Rapid Miner**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Dec-13.
- **Art of Research, Department of Computer Applications**, PSG College of Technology, Coimbatore, 24-Aug-13.
- **Mission 10X, Enhancing Teaching Skills**, Wipro Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 6 to 8-Aug-13.

- **NPTEL**, Indian Institute of Technology, IIT Madras, Sri Krishna College of Engineering and Technology, 28-Mar-13.
- **Introduction to Research Methods**, Sri Krishna College of Engineering and Technology, Coimbatore, 9 & 10-Nov-12.
- **Open Source & IBM Tools**, IBM, Sri Krishna College of Engineering & Technology, Coimbatore, 23 & 24-Oct-07.

Participation in Orientation Programme / Short Term Courses

- **Machine Learning with Artificial Intelligence & IoT using AWS**, Finland Labs (A unit of Revert Technology Pvt. Ltd.), 03-May-21 to 28-May-21.
- **How to Do Research in Computer Science**, Hindustan College of Arts and Science, 21-Jan-15.

Participation in Faculty Development Programme

- **Research Advancements in Intelligent Computing Technology**, Sri Krishna College of Engineering and Technology, Coimbatore, 19-Dec-22 to 23-Dec-22.
- **Impact of Artificial Intelligence**, Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, 07-Nov-22 to 11-Nov-22.
- **Framework for Internet of Things (IoT) Applications**, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Sep-21 to 24-Sep-21 & 28-Sep-21 to 30-Sep-21.
- **Data Science and Big Data Analytics**, PPG College of Arts and Science, Coimbatore, 25-Aug-21 to 31-Aug-21.
- **Research Methodology and Pedagogy for Tertiary Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 15-Jun-21 to 21-Jun-21
- **Introduction to Angular JS**, ICT Academy at Karpagam College of Engineering, Coimbatore, 19 & 20-Dec-2019.
- **Python for Data Science**, NPTEL, Aug-Sep 2019.

- **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 02-Jun-19.
- **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, 3 to 9-Dec-19.
- **Introduction to R Programming**, ICT Academy, Dr. N.G.P. Arts and Science College, Coimbatore, 30 & 31-Aug-18.
- **Bioinformatics in Life Science and Research**, PSGR Krishnammal College for Women, Coimbatore, 9 & 10-Feb-17.
- **Women and Biodiversity**, Bharathiar University, Coimbatore, 21-Sep-16.
- **Emotional Intelligence**, ICTACT, Dr. N.G.P. Arts and Science College, 19 & 20-Jan-16.
- **Faculty Development Programme**, Kongunadu Arts and Science College, 27-Sep-14.
- **Information Security**, TCS, Sri Krishna College of Engineering and Technology, Coimbatore, 27 & 28-Jun-07.

Participation in Professional Development Programme

- **Implementation of NEP-2020 for University and College Teachers**, Indira Gandhi National Open University, 18-Nov-22 to 26-Nov-22.
- **Achieving Excellence through Self Awareness: Upbeat your Life Skills**, Research Culture Society and Scientific Research Association, 26-Jun-22 to 30-Jun-22.

Conference / Seminar / Symposium/ Workshop Organized

- Organizing Committee Member, Second International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 28 & 29-Feb-20.
- Organizing Committee Member, National Level Technical Symposium TECHOPEdia -2020, Dr. N.G.P. Arts and Science College, Coimbatore, 13-Feb-20.
- Organizing Committee Member, National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 12 & 13-Sep-19.

- Organizing Committee Member, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9 &10-Aug-18.
- Organizing Committee Member, National Level Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.

Invited Speaker/ Session Chair-Conference/ Seminar/ Workshop

- Resource person, Guest Lecture on 5G Technology, Department of Information Technology, Pioneer College of Arts and Science, Coimbatore, 28-Sep-22.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
IAENG (International Association of Engineers)	Life-time -142201	-
Internet Society	Life-time -103707	-

Awards / Honors

Awards / Honors	Agency / Institute	Year
Top Performing Mentor Award	NPTEL	2019