Name	: **Mrs. C. Malarvizhi**
Designation	: Assistant Professor
Department	**:** Computer Technology
Qualification	**:** M.Sc., M. Phil., UGC-SET, UGC-NET, (Ph. D.)
Experience	**:**Teaching: 14 years 9 months Research:7 years
Area of Specialization(s)	**:**Data Mining and Warehousing, Data Structures and Algorithms
Email (Official ID)	**:** malarvizhic@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Govt Arts College (Autonomous), Coimbatore.	Pursuing
M. Phil.	Computer Science	ManonmaniamSundaranar University, Tirunelveli.	2003
M.Sc. (Regular)	Computer Science	ManonmaniamSundaranar University, Tirunelveli.	1997
B. Sc.	Computer Science	Sri Parasakthi College for Women, Courtallam.	1995

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NET	Computer Science	UGC	2018
SET	Computer Science	TNSET/UGC	2016

Research Publications (Indexed)

International

- Malarvizhi .C. &Balamurugan. P. **Neural Network based Classification of Cervical Spine Images (MRI) using Texture Features,** International Journal of Advanced Science and Technology,Vol 29.No.2.2020, ISSN : 2207-6360. (Indexed in SCOPUS)

- Malarvizhi. C. &Balamurugan. P**. Qualitative Analysis of various Edge Detection Techniques Applied on Cervical Herniated Spine Images,** ICTACT Journal on Image and Video Processing, DOI:10.21917/ijivp.2019.0282.

- Malarvizhi. C,&Balamurugan. P**. Comparison of Normal Vs Herniated Cervical Images using Gray Level Texture Feature,** International Journal of Management Technology and Engineering, Vol.8, Issue XII, Dec 2018, ISSN : 2249 - 7455.

- Malarvizhi.C,&Balamurugan. P.**Segmentation by Thresholding on Medical Images - A Survey.** International Journal for Research in Applied Science and Engineering Technology, Vol.5, Issue XI, Sep 2017, ISSN : 2321- 9653.

Presentations in Conference

- **Neural Network based Classification of Cervical Spine Images (MRI) using Texture Features,** International Conference on Current Trends in Advanced Computing – ICCTAC 2020, KristuJayanthiCollege , Bengaluru, 6 to 7-May-2020.

- **Comparison of Normal Vs Herniated Cervical Images using Gray Level Texture Features,** International Conference on Multidisciplinary Approaches in Social Sciences, Humanities and Sciences, Sri S.Ramasamy Naidu Memorial College,Sattur,14-Dec-2018.

- **Performance Analysis of IRIS used in Various Normalization Methods,** National Conference on Computer and Communication, Sri VasaviCollege,Erode, 19-Sep-2009.

- **Security Measures of Cyber Sentinel System used in Network Environment,** National Conference on Computer and Communication, Sri Vasavi College, Erode, 22 to 23-Feb - 2008.

- **Performance Analysis of Cyber Security Measures in Various Domains of Real Time Systems,** National Conference on Cyber Crime & Security Management (CCSM), Kongu Engineering College, Erode, Sponsored by Department of Information Technology (DIT),New Delhi, 2 to 4-Nov-2007.

Participation in Conference/Seminar

- International conference on New opportunities and Challenges in Augmented Intelligence and IOT,organized by Department of computer science and Engineering,Kodaikanal Christian College,on 23-Sep-2021.
- National Level Seminar on **Research Methods in Information & Communication Engineering** on 8 & 9.1.2010 organized the Department of Computer Science and Engineering, Dr.Mahalingam College of Engineering & Technology, Pollachi.

- National Conference on **Frontier Research Areas in Computing Sciences**, Bharathidasan University, Trichy, 5-6 Oct 2007.

Participation in Workshop

- **Workshop - Real Time Training Programme on Software Testing,** MARZS INFOTECH, conducted by Arcot Sri MahalakshmiWomens College, Arcot, 19 to 20-Jan-2018.

- **Strategic Planning and Management – Three workshops,** National Institute of Technical Teachers Training & Research, Chennai, Ministry of Human Resource Development, Conducted by Dr.Mahalingam College of Engineering & Technology, Pollachi, on 5 to 6-Mar-2007, 19 to 20-Apr-2007 and 20 to 22-Jun-2007.

- **Fundamentals of Rational Unified Process and Fundamentals of Rational Rose,**Dr.Mahalingam College of Engineering& Technology,Pollachi,22 to 23-May-2004.

Participation in Faculty Development Programme

- Two day FDP on Recent Trends in Research, Organised by Department of Computer Science and Application, SRM Institute of Science and Technology, Vadapalani held on 9-Feb-2022.
- Five Day IQAC FDP series organized by Sankara college of Science and Commerce from 24-Jan-2022 to 29-Jan-2022.
- FDP Series on Research and IPR on Awareness Talk on IPR organized by IQAC with CII and TDPC on 24-Jan-2022.
- Five Days FDP on Data Analysis and Mining with Python, organized by Department of Computer Science and Engineering,CMR engineering college,Hyderabad from 8-Nov-2021 to 12-Nov-2021.
- Five Days FDP on Artificial Intelligence and Natural Language Processing,organized by Department of Information Science and Engineering, Vidyavardhaka college of Engineering, Mysuru from 12-Jul-2021 to 16-Jul-2021.
- FDP on Research Methodology and Pedagogy for Tertiary Education, organized by IQAC and Center for Faculty Development, Dr.NGP Arts and Science College from 15-Jun-2021 to 21-Jun-2021.
- National level FDP on Writing Research Articles from SCOPUS, organized by VV Academy from 15-May-2021 to 19-May-2021.
- **Recent Trends in Computer Science,** International Level online Faculty Development Programme, Thiruvalluvar University Model Constituent College of Arts and Science, Tittagudi, Cuddalore, 22 to 28-Jul-2020.

- **Data Science Fundamentals,** Five days Career course, St.Joseph's College of Engineering in association with ISTE,27 to 31-Jul-2020.

- **Fundamentals of Rational Unified Process and Fundamentals of Rational Rose,**Dr.Mahalingam College of Engineering& Technology,Pollachi,22 to 23-May-2004.

- **Validation of Instructional Resources and Micro-Teaching,** Dr.Mahalingam College of Engineering & Technology,Pollachi, 9 to 14-Jun-2003.

- **Instructional Design and Delivery,** Dr.Mahalingam College of Engineering& Technology,Pollachi, 12 to 17-May-2003.

- **ISTE Winter School Training Programme on Modern Trends in Software Development and Marketting Management,** Coimbatore Institute of Engineering and Technology,Coimbatore, 11 to 24-Nov-2002.

Participation in Online – National/International Webinar /Workshop

- **National Level Webinar on Advancement in Learning Algorithms ML to Dl** on 28.5.2021 organized by MCA Department, SCOTT Christian College, Nagercoil.

- **National Level Webinar on Effective Teaching Methodologies for Science Teaching in the Online Class** Organized by Liberty Solutions STS, Surat on 23.5.2021.

- Three Days **Workshop on Machine Learning with Scikit Learn, Keras and Tensor Flow,** offered by Department of Computer Science & Engineering, Sri Ramakrishna Engineering College, during 17.5.2021 to 19.5.2021

- **National Level Webinar entitled Industrial Robotics** on 30-04-2021, organised by Jagannath Institute of Technology, Thandalam, Chennai.

- **National Level Webinar entitled How to Manage Difficult Conversations, Managing Team in Difficult Situation, Creating Teaching Environment in Difficult Situation &Creating Learning Environment in Difficult Situation** on 14-02-2021, conducted by Liberty Solutions STS, Surat.

- **National Level Webinar entitled Digital ID/Publishing Articles in Peer Reviewed Journals** on 13-07-2020, conducted by Muthurangam Govt.Arts College,Vellore.

- Actively Participated in **Mind Squeezer Quiz on Scripting Languages** organized by the Department of Computer Science and Engineering, St. Joseph's Institute of Technology, Chennai.

- Actively Participated in Online Quiz on **Business Environment**during August 2020 organized by Department of Commerce, SiddharSivagnaani Arts and Science College, Bommayapalayam, Villupuram.