Name   : **Dr. Mohanapriya C**

Designation : Assistant Professor

Department   : Computer Technology

Qualification : M.Sc(CT)., M.Phil., SET, Ph.D.

Experience   **:** Teaching – 19.9 Years | Research – 15 Years

Specialization: Digital Image Processing, Data Structures, Database Management Systems

Email   : **mohanapriya.c@drngpasc.ac.in**

Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Periyar University	2024
M.Phil.	Computer Science	Mother Teresa Women's University	2007
Msc(CT)	Computer Applications	Kongu Engineering College, Perundurai	2005
Bsc(CT)	Computer Applications	Kongu Engineering College, Perundurai	2003

Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution /	Year
SET	Computer Science	Mother Teresa	2018
Diploma in Robotic process Automation	Robotic process Automation Foundation Course	Ui Path	2024

Book Chapters Published

- "Investigating the Role of PLS-SEM and ANN in the Adoption of Social Media Marketing by SMEs," ISBN 979-83-6939-9545, IGI Global(Scopus Indexed)

Patents Published

- "Tomato Leaf Disease Prediction using VGG16 and CNN ," Application Number: 202441066921 A- Patent Number-37/2024

Engagement as Resource Person

- Invited Speaker, Lecture on Data Science and Machine Learning, St.Joseph's College for Women, Tiruppur, 12-Feb-2025

- Invited Speaker, Lecture on Creative Learning with Generative AI, Vellalalar College for Women ,Erode, 19-Feb-2025

- Invited Speaker, Lecture on Constructing Interactive Video Lessons and YouTube Live Streaming, AVP College of Arts and Science, 12-Apr-22.

- Invited Speaker, Lecture on Enhancing Teaching and Facilitating Learning using ICT, Pioneer College of Arts and Science, 4-Apr-22.

- Invited Speaker, Lecture on Online Assessment Tools (Edpuzzle, Socrative, Woolap), Hindusthan College of Arts and Science, 6-Jul-20.

- Invited Speaker, Lecture on E-Learning Video Creation and Online Assessment Tools, Arulmigu Palaniandavar Arts College for Women, 16-Jun-20.

- Invited Speaker, Lecture on Trends in Teaching and Learning, Bishop Ambrose College of Arts and Science, 28-May-20.

Research-MPhil Guidance

SNO	NAME OF MPHIL CANDIDATE	THESIS TITLE	YEAR OF COMPLETION
1.	Devikarani.T	Pattern Based Topic for Document Modeling in Information Filtering	Completed- Mar 2016
2.	Leelavathi.G	KASR: A Keyword Aware Service Recommendation Method on Map reduce For Big Data Applications	Completed Apr '2017
3.	Alagu Lakshmi Subha.A	Modified Fuzzy C Means Clustering to Study the Willingness Maximization using Mean Weighted Artificial Bee Colony Algorithm(MWABC) for Social Activity planning	Completed-Apr'2017
4	PoonKodi.A	Efficient Broadcasting With Energy Based In Mobile Ad Hoc Networks	Completed-Feb'2018
5	Hemapriya.C	Efficient aggregate data collection using tree data structure in wireless sensor network	Completed-Jan'2018

Conference Presentation

- National Conference on Emerging Trends in Integrated Intelligence and Technologies, " Optimized Plant Leaf Disease Identification by Transfer Learning with InceptionV3", Chikkana Govt Arts College, Tirupur, Feb-2025.
- International Conference on Computational Intelligence and Communication Technologies , "A Fine-Tuning Approach for Plant Disease Classification Using Swin Transformer", NGP Arts and Science College, Coimbatore – Jan-25.
- .International Conference on Recent Trends in Computational Life Science and Information Technology, "Efficient data aggregation and collection in tree-based wireless sensor networks," NGP Arts and Science College, Coimbatore – Jan-17.
- National Conference on Advanced Computing Technologies and Intellectual Property Rights (NCACT'18), "Digital Image Processing Techniques," 16-Feb-18, St. Joseph's College for Women.
- National Conference on Computer and Communication, "Detection of Agricultural Plant Leaf Diseases Using Image Processing Techniques," Sri Vasavi College, Erode Self-Finance Wing, 03-Feb-17.
- IEEE International Conference on Computational Intelligence and Computing Research, "Primary Pitfalls in Detection and Analysis of Diseased Chunk of Leaf Images," 30-Oct-17, Tamilnadu College of Engineering, Coimbatore.

Journal Publication

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- C. Mohanapriya and T. Devikarani, "Pattern based Topics for Document Modeling in Information Filtering," IJRCSTE-International Journal of Research in Computer Science Technology and Engineering, Volume 1, Issue 1, 01-Jan-16.
- Mohana Priya C. and Leelavathi G., "Semantic Query Based Service Discovery Scheme Using MapReduce," IJMTER-International Journal of Modern Trends in Engineering and Research, Volume 3, Issue 7, ISSN (Online): 2349–9745; ISSN (Print): 2393-816, 01-Jul-16. Impact Factor: 5.278.
- Mohana Priya C., "Privacy Preserved Item Set Mining for Service Recommendations Under Clouds," IJETS-Technology and Sciences, ISSN (Online): 2349-3976, Issue 2349-3968, 01-Sep-17. Impact Factor: 0.345.

- Mohana Priya C. and Alagu Lakshmi Subha A., "Modified Fuzzy C Means Clustering to Study the Willingness Maximization Using Discrete Multi-Valued Particle Swarm Optimization (DPSO) for Social Activity Planning," International Journal of Computer Science Trends and Technology (IJCST), Volume 4, Issue 4, ISSN: 2347-8578, Jul-Aug 2016. Impact Factor: 5.210.

- Mohana Priya C. and Hemapriya, "Efficient Data Aggregation and Collection in Tree-Based Wireless Sensor Networks," International Journal of Contemporary Research in Computer Science and Technology, Volume 3, Special Issue 3, Proceedings of ICLST'17, 01-Sep-17.

- Mohana Priya C. and A. Poonkodi, "Mobile AdHoc Network Based Efficient Broadcasting Using Random Cast Mechanism," International Journal of Computer Science Trends and Technology (IJCST), Volume 5, Issue 6, ISSN: 2347-8578, 01-Nov-17. Impact Factor: 5.210.

- Mohana Priya C. and A. Poonkodi, "A Survey of Energy Efficient Routing Protocols for Mobile AdHoc Networks Using Random Cast Algorithm," International Journal of Computer Science Trends and Technology (IJCST), Volume 5, Issue 6, ISSN: 2347-8578, 01-Nov-17. Impact Factor: 5.210.

- C. Mohana Priya and P. R. Tamilselvi, "Detection of Agricultural Plant Leaf Diseases Using Image Processing Techniques," International Journal of Computer Science (IJCS Journal), ISSN: 2348-6600, Reference ID: IJCS-162, Pages 980-983, 01-Feb-17.

- C. Mohana Priya and P. R. Tamilselvi, "Primary Pitfalls in Detection and Analysis of Diseased Chunk of Leaf Images," 2017 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Nov-17. Indexed by Scopus.

- Mohana Priya C. and Tamilselvi P. R., "Maize Leaf Disease Severity Analysis Using Integrated Color Filtering and Threshold Masking," International Journal of Recent Technology and Engineering, ISSN: 2277-3878 (Online), Oct-19. Indexed by Scopus.

- Mohana Priya C. and Tamilselvi P. R., "Handling Shadows in Diseased Maize Leaf Images Using Image Processing Techniques," IJFANS International Journal of Food and Nutritional Sciences, Volume 11, Issue S3, Pages 515-529, Publisher: Global E-Smart Technologies, Dec-22.

- Mohana Priya C. and Tamilselvi P. R., "Customized Semantic Segmentation for Enhanced Disease Detection of Maize Leaf Images," International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Volume 11, Issue 11, Pages 31-37, Publisher: Auricle Global Society of Education and Research, Nov-23.

- C. Mohana Priya ,Enhancing Plant Disease Detection through Transfer Learning by Incorporating Memory Augmented Networks and Meta-Learning Approaches , International Journal of Engineering and Computer Science, **Volume:** 13, **Issue:** 07-Jul-24,Pag**es:** 2, Valley International Journals

Seminars/ Workshop's Participation

- Research techniques & data mining tool workshop, Kongu Arts and Science College, 21-Jan-14
- IBM Bluemix Workshop, Angel College Of Engineering and Technology, 30-Nov-15 and 01-Dec-15
- Introduction to R programming (ICT Sponsored FDP), Tiruppur Kumaran College for Women, Tiruppur, 11-Nov-16
- International Conference on Recent Trends in Computational Life Science and Information Technology, Tiruppur Kumaran College for Women, 05-Sep-18: Efficient data aggregation and collection in tree-based wireless sensor networks
- Implementation of Image Processing Techniques using MATLAB for Project Development Workshop, Kongu Engineering College, Perundurai, 19-Jan-18 and 20-Jan-18
- National Conference on Advanced Computing Technologies and Intellectual Property Rights (NCACT'18), St. Joseph's College for Women, 16-Feb-18: Digital Image Processing Techniques
- Faculty Development Programme (Online), Bala Academy with MSME, Govt of India, 27-Aug-24 to 31-Aug-24: AI Tools in Education and Research
- Faculty Development Programme (Online), Hindustan College of Arts and Science, 23-Sep-24 to 24-Sep-24: Evolving Landscape of Data Science - Current Trends and Patterns
- Faculty Development Programme (Online), E&ICT Academy, IIT Kanpur, 3-Feb-25 to 8-Feb-25: Generative AI

Webinar's Participation

- Skycampus Digital Knowledge Series by ICTACADEMY Season 1:

  "Future of AI inspired by Customer Use Cases for AI-ML" on 9-Apr-20.

  "Robotic Process Automation: Basics and Beyond" on 10-Apr-20.

  "Introduction to VMWare Cloud" on 11-Apr-20.

  "Accelerating Experiential Learning in Engineering" on 13-Apr-20.

  "The Future of Making" on 14-Apr-20.

  "Introduction to AI & ML" on 15-Apr-20.

  "Cybersecurity Essentials" on 16-Apr-20.

- "Successful Scientific Publishing: From the Project to the Advertising," IEEE CIS/GRSS Jt. Chapter, Hyderabad Section, 13-Apr-20

- Research Article and Thesis Writing, Vasavi College, Erode, 18-Apr-20

- Season 2 of Skycampus webinars on "Leading in a VUCA World," 20-Apr-20 to 23-Apr-20: Day 1 (Opening Keynote Sessions), Days 2 to 4 (Expert Sessions)

- FDP on Citing References Using Mendeley Reference Manager, 27-Apr-20

- "Knock Down the Gap with Google," Tiruppur Kumaran College for Women, 4-May-20

- Online National Workshop on Basics of Documentation using LaTeX, Department of Mathematics, Stella Maris College, Chennai, 24-Apr-20, 25-Apr-20, 29-Apr-20, 30-Apr-20

- ONLINE TEACHING TECHNIQUES AND ASSESSMENT, PG & Research Department of Commerce, Holy Cross Home Science College, Thoothukudi, 6-May-20

- "How to be Secured in Digital Era," SRM Institute of Science and Technology, 5-May-20

- Season 5 of Skycampus: Webinar on "The Future of Skills - Education, Employment & Entrepreneurship," 11-May-20

- Faculty Development Program Digital Learning Series on "Role of Artificial Intelligence in World Health Crisis," Ramakrishna College of Arts and Science, 18-May-20

- "Let's Get Back to Routine with Ease," SRM Institute of Science and Technology, 15-May-20

- Faculty Development Program "The Precise Path to Extensive Health," Department of Computer Applications, St. Joseph's College for Women, Tirupur, 18-May-20