

Name : Ms. L. Mahalakshmi

Designation : Assistant Professor

Department : Computer Science with Cyber Security

Qualification : MCA, M.Phil., M.E.(CSE), SET, (Ph.D.)

Experience : Teaching - 10.2 Years | Research - 3 Years

Specialization: Data Mining, Machine Learning, Deep Learning

Email : mahalakshmi.l@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution/University	Year
Ph.D.	Computer Science	Chikkanna Government Arts College, Thiruppur	Pursuing
M E.	Computer Science	Anna University Regional Center, Coimbatore	2015
M.Phil.	Computer Science	PSG College of Arts and Science, Coimbatore	2011
MCA	Computer Applications	Hindusthan College of Engineering and Technology, Coimbatore	2008
BCA	Computer Applications	RVS College of Arts and Science, Coimbatore	2005

Additional Qualifications

Dip. / Cert.	Specialization	Institution/Agency Name	Year
SET	Computer Science		2025
Certificate	Entrepreneurship Trainer	Wadhwani	2025
Certificate	Data Analytics Using Python	Coursera	2025
Certificate	Agile Mindset	INFOSYS Springboard	2024
Certificate	Building Creative Mindset	INFOSYS Springboard	2024
Certificate	Effective Team Communication	INFOSYS Springboard	2024
Certificate	Introduction to AI	INFOSYS Springboard	2024
Certificate	Introduction to DL	INFOSYS Springboard	2024
Certificate	Natural Language Processing	INFOSYS Springboard	2024
Certificate	Personality Development	INFOSYS Springboard	2024
Certificate	Saving Time by Setting Goals	INFOSYS Springboard	2024
Certificate	Software Engineering and Development	INFOSYS Springboard	2024
Certificate	Tips to Enhance Personality	INFOSYS Springboard	2024
Certificate	Unleashing Your Self Confidence	INFOSYS Springboard	2024
Certificate	Women Leadership	INFOSYS Springboard	2024

Research Publications (Indexed)

- L. Mahalakshmi, K. Nandhini, **A Study of Early Disease Prediction Using Iridology and Data Mining Techniques with Special Reference to NAFLD**, Journal of Information Systems Engineering & Management, Vol. 10, No. 18s, pp. 768–778, 2025, doi: 10.52783/jisem.v10i18s.2988. (Indexed in SCOPUS)
- L. Mahalakshmi, K. Nandhini, **Review on Early Disease Prediction using Iridology with Data Mining Techniques and its Scope in NAFLD**, Indian Journal of Natural Sciences (IJONS), Vol. 16, No. 89, pp. 93390–93403, 2025, ISSN: 0976-0997.

International:

- L. Mahalakshmi, K. Nandhini, **A Non-Invasive Method for Liver Disease Detection, International Conference on Research Perspectives in New-Gen Computational Paradigms**, St. Joseph's College for Women, Tirupur, 11–Jul-2024 to 12 Jul- 2024, ISBN: 9788196354374.
- Dazio B., L. Mahalakshmi, **Mobile Marker-based Augmented Reality**, International Journal of Recent Trends in Technology and Engineering, Vol. II, pp. 1–9, 2023.

Other Publications

- L. Mahalakshmi, **Iridology Based Method for Liver Disease Detection with Machine Learning**, Proceedings of International Conference on Advanced System and Emerging Technologies, Nadar Saraswathi College of Arts and Science, Theni, 20-Dec-2023 to 21-Dec-2023 December 2023, ISBN: 9788196540197.
- J. Reena Bosco, L. Mahalakshmi, **Criminal Face Detection Using Grassman Algorithm**, Proceedings of Second International Conference on Data Analytics, Vol. II, Manonmaniam Sundaranar University, Charulatha Publications, 2023.

Books/Book Chapter Publication

- **Mastering Java: A Comprehensive Guide to Programming Excellence**, L. Mahalakshmi, Lambert Academic Publishing, ISBN: 978-620-7- 44924-8.
- **Programming in Python: From basic to Web Operations**, L. Mahalakshmi, Lambert Academic Publishing, ISBN 978-620-4-75193-1 Lambert Academic Publishing.

Presentations in Conference

- **Cyber Security and Fraud Prevention, International Conference on Technological Innovation and Transformation towards sustainable growth**, KPR College of Arts Science and Research, Coimbatore, 30-Jan-2024 to 31-Jan-2024.
- **AI Powered Supply Chain Optimization: Revolutionizing Efficiency and Performance**, International Conference on Navigating the future of AI for Digital Transformation, Sona College of Arts and Science, Salem, 22-Feb-2024.
- **Artificial Intelligence in Business: Opportunities & Challenges**, 15th International Conference on Artificial Intelligence in Business Management (ICAIBM-2K24), Rathinam College of Arts and Science, Coimbatore, 07-Mar-2024.
- **Utilizing Data Mining Techniques to Predict Diseases in Humans through Iridology Analysis**, International Conference on Emerging Trends in Engineering Science and Technology, K. Ramakrishnan College of Engineering, Tiruchirappalli 23 to 24-May-2024.
- **A Non-Invasive method for Liver Disease Detection, International Conference on Research Perspectives in New- Gen Computational Paradigms**, St Joseph's College for Women, Tirupur, 11-Jul-2024 to 12-Jul- 2024.
- **Iridology based method for Liver Disease Detection with Machine Learning, International Conference on Advanced System and Emerging Technologies**, Nadar Saraswathi College of Arts and Science, Theni 20-Dec-2023 to 21-Dec-2023.
- **Reduction of Ripple Effect in Semantic Based Amalgamation of Pulverized Components**, Sri Ganesh School of Business Management, Salem, 22-Feb -2013.
- **Ontology Building for E-Governance with special reference to Education**, Adaikalamatha Institute of Management, Thanjavur, 28-Jan-2012.
- **Managing Global Changes and Challenges in Web Access**, Nehru Management Studies, Coimbatore, 24-Sep-2009 to 26-Sep- 2009.
- **Leveraging Data Analysis for Human Disease Prediction**, PSGR Krishnammal College for Women, Coimbatore 24-Feb-2025 to 25-Feb-2025.
- **Human Computer Interaction in AR/VR**, PSGR Krishnammal College for Women, Coimbatore, 24-Feb-2025 to 25-Feb-2025.

Participation in Seminars

- **Women Empowerment Through Financial Planning**, BJP Mahila Morcha & Vipra Foundation, Baran, Rajasthan, 07-Mar-2024.
- **Wealth Creation Through Financial Planning**, RNB Global University, Bikaner, Rajasthan, 01-Mar-2024.
- **Managing Personal Finance and Wealth Creation**, Murazar College, Assam, 29-Feb-24.
- **Wealth Creation Through Financial Planning**, Golaghat Purbanchalik College, Hatiyekhowa, Golaghat, Assam, 28-Feb-2024.
- **Research Writing Webinar**, Hindusthan College of Engineering and Technology, Coimbatore, 26-Aug-2022.
- **Research Integrity and Innovation**, Mother Teresa Women's University, 22-Aug-2022.

Participation in Workshop

- **Golden Opportunities in Higher Education**, Vishwaniketan's Institute of Management Entrepreneurship & Engineering Technology, Mumbai, 19-Apr-2024.
- **ICT Tools & Effective Presentation Techniques**, T. John College, 17 to 21-Oct-2022.

Participation in Orientation Programme/ Short Term Course

- **Industrial Training in Machine Learning**, J-Tech Integrated IT Solutions, Coimbatore, 13-Nov-2024 to 30-Nov-2024.
- **Pragati: Path to Future – Cohort 1**, Infosys, 08-Mar-2024 to 16-Jul-2024.
- **Technology Based Entrepreneurship Development Programme (TEDP)**, Academy of Maritime Education and Training, Chennai, 04-Mar-2024 to 28-Mar-2024.
- **Machine Learning for Data Science Using Python**, Pune Institute of Computer Technology, Pune, 14-Nov-2022 to 29-Nov-2022.
- **Data Science and Big Data Analytics**, Pune Institute of Computer Technology, Pune, 27-Aug-2022 to 24-Sep-2022.

Participation in Faculty Development Programme

- **Empower Minds, Advance Progress: A Journey through AI, Automation, and Emerging Technologies**, Sathyabama Institute of Science and Technology, Chennai, 04-Aug-25 to 14-Aug-25.
- **Machine Learning & Deep Learning**, First Neuron & Value Laden, 18 to 22-Nov-24.
- **Adapting to AI Driven Industry**, Rajapalayam Rajus' College, Rajapalayam, 09-Sep-24 to 13-Sep-24.
- **Essential Skills for Professional Development in Higher Education**, Star International Foundation for Research and Education, Tiruchengode, 01-Jul-24 to 07-Jul-24.
- **AI Tools for Teaching**, Star International Foundation for Research and Education, Tiruchengode, 22-Jun-24.
- **Confluence of Deep Learning, Generative AI and Data Science**, GL Bajaj Institute of Technology and Management, Greater Noida, 06-May-24 to 10-May-24.
- **Innovate to Elevate: Designing Dynamic Research Proposal Patterns**, PSGR Krishnammal College for Women, Coimbatore, 09-Mar-24.
- **Business Model Canvas**, Patrician College of Arts and Science, Chennai, 06-Mar-24.
- **Empowering Modern Educators with Tech Skills**, PSGR Krishnammal College for Women, Coimbatore, 05-Mar-24.
- **Technology Based Entrepreneurship Development Programme**, Academy of Maritime Education and Training (AMET) Deemed University, Chennai, 04-Mar-24 to 28-Mar-24.
- **Generative AI**, D Y Patil College of Engineering, Akurdi, Pune (Pantech e Learning), 04-Mar-24 to 09-Mar-24.
- **Prototype Development**, Patrician College of Arts and Science, Chennai, 29-Feb-24.
- **Developing and Teaching Case Study**, PSGR Krishnammal College for Women, Coimbatore, 26-Feb-24.
- **Design Thinking**, Patrician College of Arts and Science, Chennai, 23-Feb-24.
- **Intellectual Property in Academic Institutions**, Patrician College of Arts and Science, Chennai, 06-Feb-24.

- **Facilitative Teaching Methodology**, PSGR Krishnammal College for Women, Coimbatore, 01-Feb-24.
- **Developing your Professional Edge: Strategies for Career Growth and Financial Success**, PPG College of Arts and Science, Coimbatore, 08-Jan-24 to 12-Jan-24.
- **Emerging Research Trends in Computer Science**, KG College of Arts and Science, Coimbatore, 08-Jan-24 to 12-Jan-24.
- **Inculcating Universal Human Values in Technical Education**, All India Council for Technical Education (AICTE), New Delhi, 19-Sep-22 to 23-Sep-22.
- **Robotic Process Automation (Automation Anywhere)**, ICT Academy at PSGR Krishnammal College for Women, Coimbatore, 29-Aug-22 to 03-Sep-22.
- **Writing and Publishing Research Papers in Scopus/WoS Journals**, Bala's VV Academy, Chennai, 17-Aug-22 to 23-Aug-22.

Conference/Seminar/Workshop Organized

- Coordinator, Guest Lecture on Creating Interactive and Visual Web Pages with HTML, PSGR Krishnammal College of Arts and Science, Coimbatore, 10-Dec-2025.
- Organizer, Workshop on Design and Development of Applications Using Software Tools, PSGR Krishnammal College of Arts and Science, 30-Dec-2025.
- Organizer, Workshop on Design and Development of Applications Using Software Tools, PSGR Krishnammal College of Arts and Science, Coimbatore, 09-Feb-2025.
- Coordinator, Guest Lecture on OOP's Concept and its Real Time Application, PSGR Krishnammal College of Arts and Science, Coimbatore, 07-Dec-2024.
- Coordinator, Guest Lecture on Introduction to PL/SQL, PSGR Krishnammal College of Arts and Science, Coimbatore, 17-Oct-2024.
- Coordinator, Guest Lecture on Introduction to PL/SQL, PSGR Krishnammal College of Arts and Science, Coimbatore, 16-Oct-2024.
- Organizer, Online Workshop on Outcome Based Education, Hindusthan College of Engineering and Technology, Coimbatore, 13-Sep-2022.
- Organizer, Soft Skills for Professional Effectiveness, Hindusthan College of Engineering and Technology, Coimbatore, 29-Aug-2022.

- Organizer, Webinar on Research Writing, Plagiarism Misconception and Authorship Issues, Hindusthan College of Engineering and Technology, Coimbatore, 26-Aug-2022.
- Organizer, 75th Independence Azadi Ka Amrit Mahotsav Jai Hind India Marathon, Hindusthan College of Engineering and Technology, Coimbatore, 12-Aug-2022.
- Organizer, Workshop on Design and Development of Applications Using Software Tools, Hindusthan College of Engineering and Technology, Coimbatore, 05-Jan-2022.

Invited Speker/Session Chair – Conference/Seminar/Workshop

- Resource Person, Seminar on Big Data Analytics, Chikkanna Government Arts College, Tiruppur, 11-Jul-24.
- Invited Speaker, Guest Lecture on Introduction to LaTeX in Linux, Maharaja Arts & Science College, Coimbatore, 25-Feb-13.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
International Association of Engineers	Affiliated Member -	Life Time
Computer Science Teachers Association	Basic Member	Annual
International Journal of Informatics and Communication Technology	Reviewer	