

**Name : Ms.L.Mahalakshmi**

**Designation :Assistant Professor**

**Department : Department of B Com Computer Applications**

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

**Experience : Teaching -10 Years Industry : 2 Years**

**Research :**

**AreaofSpecialization(s) : DataMining , Machine Learning,Deep Learning**

**Email(OfficialID) : mahalakshmil@psgrkcw.ac.in**



### Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
M E	Computer Science	Anna University Regional Center Coimbatore, Anna University	2015
M.Phil.	Computer Science	PSG College of Arts and Science, Bharathiyar University	2011
MCA	Computer Applications	Hindusthan College of Engineering and Technology, Anna University	2008
BCA	Computer Applications	RVS College of Arts and Science, Bharathiyar University	2005

### Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
SET	Computer Science		2025
Certified Entrepreneurship Trainer	Entrepreneurship	Wadhvani	2025
Certification	Data Analytics Using Python	Coursera	2025
Certification	Agile Mindset	INFOSYS	2024
Certification	Building Creative Mindset	INFOSYS	2024
Certification	Effective Team Communication	INFOSYS	2024
Certification	Introduction to AI	INFOSYS	2024

<b>Certification</b>	Introduction to DL	INFOSYS	2024
<b>Certification</b>	Natural Language Processing	INFOSYS	2024
<b>Certification</b>	Personality Development	INFOSYS	2024
<b>Certification</b>	Saving Time by Setting Goals	INFOSYS	2024
<b>Certification</b>	Software Engineering and Development	INFOSYS	2024
<b>Certification</b>	Tips to Enhance Personality	INFOSYS	2024
<b>Certification</b>	Unleashing Your Self Confidence	INFOSYS	2024
<b>Certification</b>	Women Leadership	INFOSYS	2024

### Research Guidance

Programme	No.ofScholars	
	Completed	Pursuing
M.Phil.	Nil	Nil

### Research Publications (Indexed)

#### International

L.Mahalakshmi ,K Nandhini, N., (2025). A Study of Early Disease Prediction Using Iridology and Datamining Techniques with Special Reference to NaflD. Journal of Information Systems Engineering & Management, 10(18s), 768–778. <https://doi.org/10.52783/jisem.v10i18s.2988>

L.Mahalakshmi ,K Nandhini, N., (2025). Review on Early Disease Prediction using Iridology with Data Mining Techniques and its Scope in NAFLD. INDIAN JOURNAL OF NATURAL SCIENCES (IJONS), 16(89), 93390–93403., ISSN: : 0976 - 0997

### Other Publications: International/National

Peer Reviewed – “Web Based Leaf Disease Prediction in Crops and Fertilizer Recommendation System Using Deep Learning Technique” published in international Journal of Scientific Research in Science, Engineering and Technology, July – August – 2022, Online ISSN: 2394-4099, doi : <https://doi.org/10.32628/IJSRSET229448>.

Peer Reviewed – “Clinical Implication of Machine Learning Based Cardiovascular Disease Prediction Using IBM Auto AI Service”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538, Volume 10 Issue VIII, August 2022. <https://doi.org/10.22214/ijraset.2022.46087>.

Dazio B, & Mahalakshmi L. (2023). Mobile Marker-based Augmented Reality. International Journal of Recent Trends in Technology and Engineering, II, 1–9. <https://ijrtte.com/wp-content/uploads/2023/04/IJRTTE-20230302.pdf>

Criminal Face Detection Using Grassman Algorithm. (2023) by Reena Bosco J & Mahalakshmi L, Second International Conference on Data Analytics: Vol. II. Manonmaniam Sundaranar University. Charulatha Publications.

### Patent

S.No	Name of the Faculty	Title of the Invention	Application No.	Date of Filing	Publication Date
1.	Nil				

### Book Published

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

### Book Chapter Published

Nil

### Short Term Course

Attended 4 weeks TEDP on “Technology Based Entrepreneurship Development Programme” from 4th March– 28th March 2024 Organized by Academy of Maritime Education and Training Deemed to be University, Chennai.

Completed a 15-day industrial training in Machine Learning at J-Tech Integrated IT Solutions, Coimbatore, from November 13, 2024, to November 30, 2024.

Successfully participated in and completed the mandatory assignment for Pragati: Path to Future - Cohort 1, conducted by Infosys from March 8, 2024, to July 16, 2024.

Attended 50 hrs certification course on “Data Science and Big Data Analytics” from 27th August– 24th September 2022 Organized by Pune Institute of Computer Technology, Pune.

Attended 30 hrs certification course on “ Machine Learning for Data Science Using Python ” from 14th November – 29th November 2022 Organized by Pune Institute of Computer Technology,Pune.

### **Letter of Appreciation**

Nil

### **Acted as a Resource Person**

Delivered a Guest Lecture on “Introduction to LaTeX in Linux” in Maharaja Arts & Science College, Coimbatore on 25<sup>th</sup> Feb’13.

Acted as a resource person for seminar on “Big Data Analytics” organized by Chikkanna Govertment Arts College, Tiruppur on 11.07.2024

### **Reviewer in journal**

International Journal of Informatics and communication Technology - Scopus Indexed Journal

### **Paper Presentations in Conference**

#### **International**

Presented Paper entitled “Managing Global Changes and Challenges in Web Access” in a International Conference organized by Nehru Management Studies, Coimbatore on 24.9.2009 to 26.9.2009.

Presented Paper entitled “Ontology Building for E-Governance with special reference to Education” in a International Conference organized by Adaikalamatha Institute of Management, Thanjavur on 28.01.2012.ISBN: 978-81-909038-1-3.

Presented Paper entitled “Reduction of Ripple Effect in Semantic Based Amalgamation of Pulverized components” in a International conference organized by Sri Ganesh School of Business Management, Salem on 22.02.201

Presented Paper entitled “Iridology based method for Liver Disease Detection with the help of machine learning” in an International conference on Advanced Systems and Emerging Technologies organized by Nadar Saraswathi College of Arts and Science, Theni on 20.12.2023-21.12.2023. ISBN: 978-81-965401-9-7.

Presented Paper entitled “A Non-Invasive method for Liver Disease Detection” in a International conference on Research Perspective in New Gen Computational Paradigms organized by St Joseph’s College for Women, Tirupur on 11.07.2024-12.07.2024. ISBN: 978-81-963543-7-4.

Presented Paper entitled “Utilizing Data Mining Techniques to Predict Diseases in Humans through Iridology Analysis” in a International conference on Emerging Trends in

Engineering Science and Technology organized by K.Ramakrishnan College of Engineering, Tiruchirappalli on 23.05.2024-24.05.2024.

### **National**

Presented Paper entitled “Data Mining” in a National Conference organized by Navarasam Arts and Science College for Women, Erode on 30.01.2010.

·Presented Paper entitled “Unified Analysis of Parallel Ant colony Optimization” in a National Conference organized by RVS college of Arts & Science, Sullur. ISBN: 978-93-80800-13-4.

Presented Paper entitled “Semantic Based Amalgamation of Pulverized components using ontology” in a national conference organized by Chavalier T.Thomas Elizabeth College for Women, Chennai on 11.01.2013. ISBN: 978-81-923994-0-9.

Presented Paper entitled “Review on Scheduling Algorithms in Cloud Computing” in a National conference organized by Maharaja Engineering College for Women”, Perundurai on 27.02.2015.

Presented Paper entitled “Effective Resource Utilization Using Multi Queue & KMeans++ Algorithm” in a National conference organized by Regional Centre Anna University”, Coimbatore on 02.03.2015 & 03.03.2015.

·Presented Paper entitled “Leveraging Data Analysis for Human Disease Prediction” in a National conference on Emerging Trends and Opportunities in Augmented, Virtual and Mixed Reality organized by PSGR Krishnammal College for Women”, Coimbatore on 24.02.2025 & 25.02.2025.

·Presented Paper entitled “Human Computer Interaction in AR/VR” in a National conference on Emerging Trends and Opportunities in Augmented, Virtual and Mixed Reality organized by PSGR Krishnammal College for Women”, Coimbatore on 24.02.2025 & 25.02.2025.

### **Presentations in Seminar**

**NIL**

### **Participation in Conference**

Presented Paper entitled “Managing Global Changes and Challenges in Web Access” in a International Conference organized by Nehru Management Studies, Coimbatore on 24.9.2009 to 26.9.2009.

Presented Paper entitled “Ontology Building for E-Governance with special reference to Education” in a International Conference organized by Adaikalamatha Institute of Management, Thanjavur on 28.01.2012.ISBN: 978-81-909038-1-3.

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·Presented Paper entitled “Human Computer Interaction in AR/VR” in a National conference on Emerging Trends and Opportunities in Augmented, Virtual and Mixed Reality organized by PSGR Krishnammal College for Women”, Coimbatore on 24.02.2025 & 25.02.2025.

### **Participation in Seminars**

Attended 2 days seminar on ‘Traversing and Fine-tuning of Research Process’ organized by PSG College of Arts and Science, Coimbatore.

Attended 2 day seminar on ‘Computational Methods for a Sustainable Environment, Economy and Society’ organized by Kongu Engineering College, Erode

Attended 2 day seminar on ‘Quantum Cryptography’ organized by Kongu Engineering College, Erode.

Attended 1 day International Seminar on ‘Cyber Security’ organized by Bharathiyar University, Coimbatore.

Attended IP awareness program under National Intellectual Property Awareness Mission Organized by Intellectual Property Office, India.

### **Participation in Workshop**

Attended 2 days ‘Faculty development program Internal Auditing’ organized by Anna University Coimbatore at Kumaraguru College of Technology, Coimbatore.

Attended 1 day workshop on ‘Open Source Tools and Data Mining Research’ organized by Dr.NGP College of Arts and Science, Coimbatore.

·Attended 5 weekend workshop on “Software Development Techniques for Engineers and Scientists” organized by IIT Bombay along with MHRD.

Attended 2 days national workshop on “Big Data Analytics” organized by PSG college of Arts & science, Coimbatore.

### **Participation in Faculty Development Programme**

Attended 5 days online FDP on “Inculcating Universal Human Values in Technical education” organized by AICTE, New Delhi.

Attended 5 days FDP on “Robotic Process Automation (Automation Anywhere)” conducted by ICT Academy at PSGR Krishnammal College for women.

Attended a Course on” Data Science and Big Data Analytics Hands-on with open source tools” organized by Pune Institute of Computer Technology.

Attended a Course on” Machine Learning for Data Science” organized by National Institute of Technology, Warangal.

Attended 3 days online FDP on “Machine Learning and Artificial Intelligence” organized by Andhra Loyola Institute of Engineering & Technology, Andhra Pradesh.

Attended 5 days state level online workshop on “ICT Tools and Effective Presentation Techniques” Organized by T.John College, Bangalore.

#### **Participation in Webinar**

Attended one day NAAC sponsored national webinar on “Research Integrity and Innovation” organized by Mother Teresa Women’s University, Kodaikanal.

#### **Conference/Seminar/Workshop Organized**

- Organized National level technical symposium during the year 2009-2010, 2010-2011.
- Organized two- day workshop on “PHP” during the year 2010 – 2011
- Organized 75<sup>th</sup> Independence Azadi ka Amrit Mahotsav Jai Hind India Marathon
- Organized Online Workshop on “Outcome Based Education”.
- Organized a webinar on “Research Writing, Plagiarism Misconception and Authorship Issues”.
- Organized a webinar on “Soft skills for Professional Effectiveness”
- Organized two- day workshop on “Hands-on Cybersecurity Training From Network to Mobile” during the year 2025 – 2026.

#### **Grants**

NII

#### **Membership in Professional Bodies**

<b>Name of the Professional Body</b>	<b>Nature of membership</b>	<b>Duration</b>
International Association of Engineers	Affiliated Member	Life Time
Computer Science Teachers Association	Basic Member	Annual

### Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
NIL		

### Indexing and Citations

**H-Index : 2**

**Citations : 8**

### Contribution

- Department UMIS Co-Ordinator