

# Ms.Malathi J



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**NAME** : Ms.J.MALATHI  
**DESIGNATION** : ASSOCIATEPROFESSOR  
**DEPARTMENT** : COMPUTER SCIENCE AND BUSINESS  
**SYSTEMS**  
**QUALIFICATION** : M.Tech  
**AREAOFSPECIALIZATION** : Machine Learning  
**EXPERIENCE** : Teaching:17.9 Years

## **Aim:**

To work as a key player in challenging & creative environment and proving myself as an asset to the organization.

## **Education:**

➤ Pursuing **Ph.D.** in Sathyabama University, from **2019**.

**Title of Ph.D.:** Prediction and Analysis of Code Smell in Software Development using Machine Learning Techniques.

➤ **M.Tech.** in Information Technology in Sathyabama University, **2009-2011**.

➤ **B.Tech** in Information Technology in Anna University, **2002-2006**

## **Membership in Professional Bodies:**

1. ISTE Membership No.–LM 127292 (Life Member)
2. ISRD Membership ID–M4150904196 (Life Member)
3. IAENG Membership No.–194674 (Life Member)
4. IEEE Membership No: 98923200 (Senior Member)

## Research Competency and Contributions:

### JOURNALS PUBLISHED:

1. Malathi Jeevanantham, Jabez Jones,(2022)“Extension Of Deep Learning Based Feature Envy Detection For Misplaced Fields And Methods,  
”Intenational Journal Of Intelligent Engineering And Systems,vol.15, Pg.No. 563-574,  
DoI: 10.22266/ijies2022.0228.51
2. IoT-enabled remote patient monitoring for chronic disease management and cost savings:  
transforming healthcare  
J Malathi, KR Kusha, S Isaac, A Ramesh, M Rajendiran, S Boopathi  
Advances in explainable AI applications for smart cities, 371-388  
<https://doi.org/10.4018/978-1-6684-6361-1.ch014>
3. Emergency tracking and localisation using android mobile phones  
M Mounika, C Selvi, K Rajamani, J Malathi  
International Journal of Pure and Applied Mathematics 119 (12), 43-52-Volume 119 No. 10  
2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) url:  
<http://www.ijpam.eu> Special Issue  
<https://www.acadpubl.eu/jsi/2018-119-10/articles/10a/6.pdf>
4. A Hybrid Strategy Integrating Ant Colony Optimization and Locust-Inspired Algorithm  
(HACO-LA) to Boost Efficiency and Performance in cloud Resource Management  
LL Saraswathy S, J. Malathi, N. Subiksha, S. LakshmiNarayanan, K.Sathishkumar  
2024 3rd International conference on Power Electronics and IoT Applications in Renewable  
Energy and its Control (PARC) | 979-8-3503-0940-9/24/\$31.00 ©2024 IEEE | DOI:  
10.1109/PARC59193.2024.10486486
5. Cloud Solutions for Smart Parking and Traffic Control in Smart Cities  
M Syamala, J Malathi, V Singh, HP GS, BU Maheswari  
Handbook of Research on AI and ML for Intelligent Machines and Systems, 169-194
6. Lock mart-smart locker system  
R Yavanalakshmi, S Pooja, J Malathi, A Nareshkumar  
Asian Journal For Convergence In Technology (AJCT) ISSN-2350-1146 9 (2), 9-12
7. Tourlance Tourist Guidance and Planner Application  
Dhatchayani M, Malathi J, Logashree S, Harini R  
International Journal of Innovative Research in Science Engineering and Technology  
(IJIRSET)-  
e-ISSN: 2319-8753| p-ISSN: 2347-6710
8. Empowering Women Entrepreneursthrough Mobile Application  
Malathi J , Karthik Narayanan S , Ruthranath A  
International Journal Of Innovative Research In Technology 11 (10), 4324-4329
9. A Dream Home - A house Design Provider  
Malathi J, Surya Narayanan R, Sharavana Kumar S  
International Journal of Innovative Research in Technology 11 (10), 3173-3176
10. Significant Review of Code Smell Detection Techniques in Software Engineering  
J Malathi, J Jabez zeichen 6 (12), 571-584

## **INTERNATIONAL CONFERENCES**

1. J.Malathi,(2021),Presented the paper“CLASS CODE SMELLS DETECTION USING DEEP LEARNING APPROACH”,International Conference on Intelligent Computing Techniques in Electrical Energy System(ICICTEES-2021) organized by Department of Electrical and Electronics Engineering held on 15.12.2021.
2. Z-Number and DEMATEL-Based Scheme to Enhance Energy-Efficient Workflow Scheduling and Virtual Machine Consolidation for Green Cloud Computing  
V Divya, J Malathi, M Rajeswari, DS Kumar, G Mugunthan  
2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN) Date of Conference: 18-19 July 2024 Date Added to IEEE Xplore: 13 September 2024 DOI: 10.1109/ICSTSN61422.2024.10671095
3. Presented the paper “Real-Time Driver Emotion Recognition Using CNN-LSTM for Enhanced Road Safety and Accident” in the 2025-5th IEEE International Conference on Computing and Communication Technologies (ICCCCT'25) on 16.4.2025-17.4.2025

## **BOOKS PUBLISHED**

1. Published a Text book entitled “Fundamentals of IoT and Big Data” by SIPH (Scientific International Publishing House) with ISBN number 978-93-5757-544-7 in 2023
2. Published a Text book entitled “Object Oriented Programming” by Charulatha Publications with ISBN number 978-93-6260-596-2 in February, 2025

## **PATENTS PUBLISHED**

1. Published a patent in 11.6.2021 titled “Multi-Rotor Horizontal Wind Turbine ”, Application No: 202141021169A
2. Published a patent in 14.10.2022 titled “A Block Chain based System for Digital Certificates Authentications and Methods thereof ”, Application No: 202221056876A
3. Granted a patent on 15.04.2024 titled “SMART TABLET VENDING MACHINE”,
4. Design No: 413596-001
5. Published a patent in 08.11.2024 titled “Bus Step Guardian: Automated Safety Solution ”, Application No: 202441083960A
6. Published a patent in 6.6.2025 titled “Optimizing Retail Logistics Through Real-Time Inventory and Transportation Integration ”, Application No: 202541046799
7. Published a patent in 13.2.2026 titled “Intelligent AI-Driven Framework for Automated Data Quality Enhancement, Transportation and Adaptive Data Governance ”, Application No: 202641011-55A

## **CONSULTANCY**

1. Received Rs.25000/- on 25.4.2025 for consultancy project of “Prediction and Analysis of Code Smell in Software Development using Machine Learning Techniques” for the duration of 3 months.

## **ACHIEVEMENTS**

### **ACADEMIC:**

#### **Courses Completed:**

1. Completed NPTEL online course on “Cloud Computing” during Feb-Mar2018.
2. Completed NPTEL online course on “Programming In Java” during Jul-Oct 2023.
3. Completed NPTEL online course on “Global Marketing Management” during Jan-Apr 2024.
4. Completed NPTEL online course on “Consumer Behaviour” during Jan-Mar 2025.
5. Completed NPTEL online course on “Integrated Marketing Communication” during Jan-Apr 2025
6. Completed NPTEL online course on “Marketing Management - I” during Aug-Oct 2025.
7. Completed NPTEL online course on “Marketing Management - II” during Feb-Apr 2025.
8. Completed NPTEL online course on “Marketing Research and Analysis” during Jul-Oct 2025.
9. Completed NPTEL online course on “Customer Relationship Management” during Aug-Oct 2025.

### **Awards:**

1. Best Teacher Award - National Level Award by THE INTERNATIONAL ASSOCIATION OF LIONS CLUBS,11 September 2022.
2. Got Gold Elite Certificate for the course titled “Introduction to IoT” in 2019(July-Oct)in NPTEL.
3. Recognized as NPTEL Discipline Star in Management domain in the period Jul-Dec 2025.
4. Achieved SWAYAM NPTEL Domain Certification in Marketing in the period of October 2025.
5. Recognized as NPTEL Motivated Learner in the period Jul-Dec 2025.

### **OTHER ACHIEVEMENTS:**

1. Completed the ISO21001 Lead Auditor Certification on 18.11.2024.
2. Completed the APPLE Teacher certification on 18.11.2025.
3. Completed the Course on “Social Emotional Education: Knowledge to Practice (SEEK)” on 24.10.2025.
4. Volunteered as IEEE Extreme18.0 Proctor.

## **PARTICIPATION**

1. Participated in Bootcamp on Learning Experience Design(LXD) on 20.6.2024 and 21.6.2024

## **FACULTY DEVELOPMENT PROGRAM ATTENDED**

1. Attended Two weeks FDTP on “**CS8494-SOFTWARE ENGINEERING**” organized by Department of Information Technology, MIT Campus, Anna University on 09.11.2018 and 20.11.2018.
2. Attended ATAL online FDP on “**Artificial Intelligence**” organized by RAJKIYA ENGINEERING COLLEGE KANNAUJ,from 2020-10-5 to 2020-10-9.
3. Attended ATAL online FDP on “**Blended Learning and Flipped Classroom**” organized by Vellore Institute of Technology, from 2020-9-14 to 2020-9-18.
4. Attended ATAL online FDP on “**IOT in 5G Technology**” organized by Silicon Institute of Technology. from 2021-5-24 to 2021-5-28.
5. Attended FDP on “**Amazon Web Services**” organized by Megha Institute of Engineering and Technology for women from 22.08.2022 and 27.08.2022.
6. Attended FDP on “**Celonis Process Mining using the Celonis Process Intelligent Platform**” conducted by ICT Academy from 6.11.2024 to 8.11.2024.

## **SHORT TERM COURSE ATTENDED:**

1. Attended **STTP on CS8601-MOBILE COMPUTING** by Department of Computer Technology, MIT Campus,Anna University from 09.12.2019 to 13.12.2019.
2. Attended the **Short Term Course on Geographic Information Systems** organized by Department of CSE and IT in collaboration with CSI from 20.06.2019 to 22.06.2019.
- 3.

## **WORKSHOP/SEMINARS ATTENDED**

1. Attended two days online workshop on “Cyber Attacks and Web Application Security” organized by Dept of Information Technology, Velammal Institute of Technology on 25.2.2022 and 26.2.2022.

## **Declaration:**

I hereby declare that all the information mentioned above is true to my knowledge and I have all supporting documents for the facts mentioned above.

**(J.MALATHI)**