

R.Tharani M-Tech

Assistant Professor

Department of Artificial Intelligence & Machine Learning

Sri Sairam College of Engineering

Anekal, Bengaluru - 562106

E-Mail: tharanir.aiml@sairamce.edu.in

Ph: 9080447711



Educational Qualification:

1. Completed M-Tech in Information Technology from Veltech University, Avadi in First Class with Distinction during 2013.
2. Completed B.E in Information Technology from Kamban College of Engineering ,Tiruvannamalai in First Class with Distinction during 2010.

Experience:

1. Worked as Assistant Professor in Podhigai Engineering College,Tirupattur from 02.08.2013 to 30.05.2015.
2. Working as Assistant Professor in Department of Artificial Intelligence and Machine Learning, Sri Sairam College of Engineering, Anekal, Bengaluru from 20.03.2024 to till date.

Publications:

a) International Conference:

1. Published International journal of Innovative Research in Computer and Electronics Engineering, Volume-1, Issue-4, April 2015, “Finding Critical Link and Critical Node Vulnerability for Network”.
2. Presented a Paper titled “Enhanced Automatic Number Plate Recognition for High-Speed Vehicles: Leveraging YOLO and HAAR Cascade ” in the international conference organized by P.S.V College of Engineering and Technology, Krishnagiri.
3. Published a paper titled “Revolutionizing Mental Health: The Role of Artificial Intelligence in

Future Solutions” in IJATEM Journal (Nov 2024).

4. Published a paper titled “AgriBot: AI-Powered Autonomous Robot for Soil Health and Regenerative Agriculture” in IJIRIS Journal, Volume 11, Issue 12 (December 2025).
5. Presented a paper titled “Breast Cancer Detection using Transfer Learning Contribution” at the International Conference ICITSC 2025 (26–27 December 2025) and received Certificate of Appreciation.
6. Presented a paper titled “ HydroCropPilot: Intelligent Water driven Crop Management for sustainable Farming ” at the 4th International Conference on ICCORSE at Eswari Engineering College, Chennai (12 May 2026)

b) National Conference:

1. Presented a paper “Colour Enhancement & Noise Reduction in HDR image using Tone Mapping Operation” in the National Conference” held at C.Abdul Hakeem College of Engineering and Technology, Melvisharam.

c)Book

1. Published Book on title “ Cyber Security Governance” on March 2025

Workshops / Seminars / FDP attended:

1. Participated in a Two-Week International Faculty Development Program on “Advancement in Quantum Computing and Sensor Technology for Viksit Bharat @ 2047”, organized by Oxford College of Engineering, Bengaluru, from 15–27 April 2024.
2. Participated in a Five-Day Faculty Development Program on “Full Stack Development”, organized by the Department of Information Science and Engineering, Bangalore Institute of Technology, Bengaluru, from 22–26 April 2024.
3. Participated in a One-Week Faculty Development Program on “Automobile Engineering: Advancements and Analysis”, organized by H.K.E. Society’s Sir M. Visvesvaraya College of Engineering, Raichur, from 01–05 July 2024.
4. Participated in a Five-Day Online Faculty Development Program on “Exploring the Frontiers of Artificial Intelligence: Theory, Applications and Ethics”, organized by Prathyusha Engineering College, from 08–12 July 2024.

5. Participated in a Five-Day Online Faculty Development Program on “Artificial Intelligence’s

Impact on Transforming Software, Robotics, Electronics and Mechanical Fields”, organized by Dhaanish Ahmed College of Engineering, from 29 August–03 September 2024.

6. Participated in a One-Week AICTE-Recognized Faculty Development Program on “Deep Learning for Engineering Applications”, conducted by NITTTR, Chandigarh, from 02–06 September 2024.
7. Participated in a One-Week Faculty Development Program on “Cutting-Edge Technologies in Computer Science”, organized by Easwari Engineering College, from 23–29 September 2024.
8. Participated in the Microsoft India & SAP India Faculty Development Program on “Applied AI: Practical Implementation” under the TechSaksham Program, from 14–18 October 2024.
9. Successfully completed the NPTEL Faculty Development Program on “Internet of Things (IoT)”, conducted by IIT Madras.
10. Participated in a One-Week AICTE-ATAL Faculty Development Program on “The Future of Quantum Computing and High-Performance Computing (HPC)”, from 23–28 December 2024.
11. Participated in a Two-Week Faculty Development Program on “Effective Research and Proposal Writing Strategies”, organized by Innova World Pvt. Ltd., from 09–21 December 2024.
12. Participated in a One-Week National Level Faculty Development Program on “AI Tools,” organized by KG College of Arts and Science in association with Brainovision Solutions India Pvt. Ltd. and in collaboration with AICTE, from 17–21 February 2025.
13. Participated in a One-Day Faculty Development Program on “Foundations of Intelligent Systems: Machine Learning and Deep Learning Essentials”, organized by the Department of Computer Science and Applications, The Oxford College of Science, Bangalore, on 22 February 2025.
14. Participated in a Two-Day Workshop on “**AI in Robotics and Automation**”, organized by COMEDKARES Innovation Hub, from 12–13 May 2025.
15. Successfully completed a Five-Day Online Faculty Development Program on “Inculcating Universal Human Values in Technical Education”, organized by AICTE, from 09–13 June 2025.
16. Participated in a Five-Day Faculty Development Program on “**ROBO Fusion** for Future Engineers”, organized by the Department of Mechanical Engineering in association with the Corporate Academia Relationship Cell, Sri Sairam College of Engineering, Bengaluru, from 21–25 July 2025.
17. Participated in “Be a Great Mentor, To Be a Good Teacher”, organized by **MineRVa: RV** Centre for Leadership and Executive Education, on 15–16 July 2025.
18. Participated in a One-Week Faculty Development Program on “Recent Advancements in Artificial Intelligence and Machine Learning”, organized by St. Joseph’s College of Engineering

- in association with STEP-NITK Surathkal and Pantech e-Learning, from 30 June–04 July 2025.
19. Participated in a Six-Day Online Faculty Development Program on “Bio-Inspired Computing and Intelligent Optimization: Bridging Nature and AI”, organized by the Department of Information Technology, Sri Sairam College of Engineering, Chennai, from 21–26 July 2025.
 20. Participated in a Six-Day Online AICTE-ATAL Faculty Development Program on “Emerging Trends and Applications in Artificial Intelligence and Data Science”, organized by MES M.K. Mackar Pillay College for Advanced Studies, from 18–23 August 2025.
 21. Participated in a Five-Day Faculty Development Program on “Next-Gen Data Science: Deep Learning, NLP and Responsible AI”, organized by CMRIT from 16–20 June 2025.
 22. Participated in a Six-Day Online Faculty Development Program on “ChatGPT and Generative AI: Transforming Teaching, Learning and Research”, organized by P.S.V. College of Engineering and Technology, Krishnagiri, from 05–10 January 2026.
 23. Participated in a 10-Hour Faculty Development Program on “Master Trainer Program – LLM for Young Developers”, conducted under the Yuval Initiative, supported by IndiaAI (MeitY), AICTE, Meta, and 1M1B, from 28–30 January 2026, focusing on Generative AI and Large Language Models (LLMs).
 24. Participated in a One-Day Online Faculty Development Program on “**Educate the Educator:** Agentic AI”, hosted by Sri Sairam College of Engineering, on 28 February 2026.
 25. Participated in a Three-Day Workshop on “From Player to Creator: Game Development,” organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Chennai, from 19–21 April 2026.
 26. Participated in a Five-Day Faculty Development Program on “Cutting-Edge AI for Smart and Sustainable Engineering Applications”, organized by the Department of Information Science and Engineering, HKBK College of Engineering in association with ISTE, from 11–15 May 2026.
 27. Participated in a Five-Day Faculty Development Program on “AI and Open-Source Tools for Teaching-Learning Excellence”, organized by the Department of Information Management and Emerging Engineering, Sri Sairam Engineering College, Chennai, from 18–22 May 2026.
 28. Participated in an Orientation Programme on “Understanding and Addressing Complex Engineering Problems in OBE Framework”, organized by SJC Institute of Technology, in collaboration with Visvesvaraya Technological University (VTU), Belagavi, on 15 June 2026.
 29. Participated in a Faculty Development Program (FDP) on “Linux New”, organized by Spoken Tutorial, EduPyramids, SINE IIT Bombay, with course material provided by EduPyramids, SINE, IIT Bombay, from 08–22 June 2026

30. Participated in a Faculty Development Program (FDP) on “LaTeX”, organized by Spoken Tutorial, EduPyramids, SINE IIT Bombay, with course material provided by EduPyramids, SINE, IIT Bombay, from 08–22 June 2026

Certification

1. Participated and successfully completed Infosys Springboard Certification drive on the topic “Cybersecurity Foundation Certification” held on August 25, 2025.
2. Participated and successfully completed Google’s Gemini Academy 2025.
3. Completed an online course on “Data Science with Python”, provided by Great Learning Academy, in January 2025.
4. Completed Innovation Ambassador (IA) Training – Foundational and Advanced Level training conducted in online mode by MoE’s Innovation Cell & AICTE during the IIC calendar year 2024–25, organized by MoE’s Innovation Cell, Government of India, on 23 August 2025.

NPTEL

Successfully completed NPTEL Online certification course on Topics

1. Internet of things
2. Cloud computing
3. Python for Data Science
4. Operating System Fundamentals
5. Artificial Intelligence: Concepts and Techniques
6. Computer Networks And Internet Protocol
7. Compiler Design
8. Human Computer Interaction

NITTT

Successfully completed All Modules in NITTT

Awards or Recognition

1. NPTEL Believer and Motivator Learner Award from NPTEL, IIT Madras
2. Mentored students in developing the project “EcoVate – A Carbon Offsetting Marketplace,” which won an award at the Inspirathon innovation competition conducted by Sri Sairam College of Engineering.
3. Recognized as a Top Performing Mentor for the NPTEL Online Certification Course on “Human Computer Interaction” (Jan–Apr 2026) by NPTEL, IIT Madras, for effective mentoring and guidance of learners.

Professional Membership

1. Life Member of ISTE (Indian Society for Technical Education)