


<b>Name:</b>	Indhumathi C		
<b>Designation:</b>	Assistant Professor		
<b>Qualification:</b>	B.E, M.E, (Ph. D)		
<b>Experience : (as on Dec 2026)</b>	Industrial Experience	Teaching Experience	
	1 Years	15.5 Years	
<b>Professional Body Membership</b>	1. INDIAN SOCIETY FOR TECHNICAL EDUCATION (FULL TIME) 2. INTERNATIONAL ASSOCIATION OF ENGINEERS (FULL TIME) 3. IEEE(TWO YEARS)		

**Experience:**

1. **RMK Engineering College**, Kavaraipettai as Assistant professor from August 2021 to 31.07.2024
2. **TJS Polytechnic College**, Peruvoyal, as Senior lecturer from August 2010 to July 2021.

**Publications:**

1. **Augmented Reality based Piano Application**, “Nithya A.A.;Ishwarya K.;Arunadevi R.;Benjamin A.D.;Harikesh H.;Indhumathi C”, International Conference on Computational Robotics Testing and Engineering Evaluation Iccrtee 2025, **Volume , Year 2025, Pages**
2. **Breast Cancer Severity Classification; Mesh Denoising Graph Triple Attention with Stereoscopic Scalable Quantum Convolutional Neural Networks**, “Indhumathi C.;Devi S.R.;Asma M.D.;Kalpana C.;Sandhiya R.;Denis R”.2025 6th International Conference on Data Intelligence and Cognitive Informatics Icdici 2025, **Volume , Year 2025, Pages 1117-1123**
3. **Real-time Stream Processing in IoT Environments**, “Rajasekar P.;Bhosale R.S.;Indhumathi C.;Sandeep K.V.;Prasanthi Kumari N.;Rajendiran M”.Proceedings of 9th International

Conference on Science Technology Engineering and Mathematics the Role of Emerging Technologies in Digital Transformation Iconstem 2024, **Volume** , **Year 2024, Pages**

4. “An Investigation of Smart Detection for Small Lung Tumor with Tumor Pattern Recognition Algorithm”, International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Year 2023.
5. “AI-Powered Visual Aid System for the Blind”, International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering, Year 2023.
6. “Doctor Appointment Booking System Using Content Based Filtering Recommendation”, International Journal of Mechanical Engineering, Year 2022.
7. “Cryptocurrency Exchange Rate Prediction using ARIMA Model on Real Time Data”, International conference on intelligent computing and control systems, Year 2022.
8. “Prominent Rule Control-based Internet of Things: Poultry Farm Management System”, 3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings, Year 2022.

**Patent:**

1. “A Federated Intelligence Platform for Real Time UPI Fraud Detection”, IP Clinic,2025.
2. “An Edge Computing Apparatus for Flexible Allocating Computing Resource and Method Thereof”, The Patents Act , 1970, Year 2022.

**Book Chapter:**

“Application of Federated Learning and Gestural Technology in Healthcare”  
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**NPTEL Certification:**

- NPTEL - Programming **Domain Scholar** completed.
- The Joy of Computing Using Python (**Top Performing Mentor**)
- The Joy of Computing Using Python (Elite)
- Design Thinking – A Primer (Mentor)
- Programming in Java (Mentor)
- Enhancing Soft skills and Personality Development (**Top Performing Mentor**)
- Enhancing Soft skills and Personality Development (Elite)

**International Certificate:**

- Oracle Certified Database SQL Expert[87%]

**Achievements:**

- Recognized as a NPTEL DISCIPLINE STAR in Jul-Dec 2025.
- Received Best Teacher award -2024 from LIONS CLUB.
- IEEE proctor Appreciation Award for the IEEEExtreme 17.0 programming competition .