<table>
<tr><td>Name: Dr.Sampath R

sampath.it@sairamit.edu.in

SIT22IT01</td><td colspan="4">  </td></tr>
<tr><td>Designation:</td><td colspan="4">Associate Professor(Artificial Intelligence & Data Science)</td></tr>
<tr><td>AreaofSpecialization:</td><td colspan="4">Image Processing, WearableSenors</td></tr>
<tr><td>Experience</td><td colspan="4">Teaching:20 Years.
Research : Nil
Industrial Experience: 01 Year</td></tr>
<tr><td rowspan="2">No of Workshop/FDP attended:</td><td colspan="2">No of Workshop</td><td colspan="2">No of FDP</td></tr>
<tr><td colspan="2">15</td><td colspan="2">12</td></tr>
<tr><td rowspan="2">Publications:</td><td colspan="2">Conference</td><td colspan="2">Journal</td></tr>
<tr><td>National
2</td><td>International
5</td><td>National</td><td>International
20</td></tr>
<tr><td rowspan="2">Patents</td><td colspan="2">National</td><td colspan="2">International</td></tr>
<tr><td colspan="2">02</td><td colspan="2">Nil</td></tr>
<tr><td>Professional body membership</td><td colspan="4">Senior Member IEEE, IAENG, Internet Society</td></tr>
<tr><td>Awards and Achievements</td><td colspan="4">Best Commendable Performance in Academics</td></tr>
</table>

EDUCATIONAL QUALIFICATION					
DEGREE	**SPECIALIZATION**	**YEAR OF PASSING**	**COLLEGE**	**UNIVERSITY**	**GRADE & CLASS**
B.E	Information Technology	2002	Raja College of Engineering & Technology	Madurai Kamaraj University	66% - First
M.Tech	Information Technology	2005	School of Computing	SRM Univeristy	7.49 - CGPA
PhD	Computer Science & Engineering	2024	School of Computing	SRM Univeristy	Commendable

PUBLICATIONS OF R SAMPATH

1. R.Sampath "Classification of Alzheimer's Disease Stages Exploiting an ANFIS Classifier " International Journal of Applied Engineering Research, ISSN 0973-4562 ,2014 Scopus Indexed.

2. R.Sampath " Alzheimer's Disease Classification Using Hybrid Neuro FuzzyRunge-Kutta (HNFRK) Classifier" Research Journal of AppliedSciences, Engineering and Technology ISSN 2040-7467 Volume no 10(1), 29-34 2015 Scopus Indexed.

3.R.Sampath "Alzheimer's Disease Image Segmentation Using Self Organizing Map Network" Journal of Software, ISSN 1796217X ,Vol. 10, No. 6 10.17706/JSW.10.6 2015 Scopus Indexed.

4. R.Sampath "Study of Connectivity Properties And Network Topology For Neuroimaging Classification By Using Adaptive Neuro-Fuzzy Inference System" ARPN Journal of Engineering and Applied Sciences ISSN 1819-6608 VOL. 10, NO. 9 4258-4263 2015 Scopus Indexed

5.R.Sampath "A Hybrid Approach forAlzheimer's disease Classification using 2D Gabor Wavelet transform and Extreme Machine Learning Classifier" Journal of pure applied microbiology Volume 9 Page No. 691-699 2015 Web of Science Indexed.

6. R.Sampath "Earlier Detection Of Alzheimer Disease Using N-Fold Cross Validation Approach" Journal of Medical systems ISSN: 0148-5598 (Print)1573-689X (Online) 42:217 DOI/10.1007/s10916- 018-1068-5 2018 SCI Indexed.

7.R.Sampath "Echocardiography image segmentation using feed forward artificial neural network (FFANN) with fuzzy multi-scale edge detection (FMED)" International journal of Signal and Imaging Systems Engineering ISSN online: 1748-0701 ISSN Print : 1748-0698 2019 SCI Indexed.

8. R.Sampath "A dynamic and interoperable communication framework for controlling the operations of wearable sensors in smart healthcare applications" Computer Communication ISSN: 0140-3664 149 17-26 10.1016 2019 SCI Indexed.

9. R.Sampath "Analysis of regional atrophy and prolong adaptive exclusive atlas to detect the Alzheimer's images " Multimedia Tools and Applications ISSN 1380-7501 154 17-29 10.1016 2019 SCI Indexed.

10 R.Sampath "Automated Computer Aided System for Early Diagnosis of Alzheimer's Disease by Regional Atrophy Analysis in Functional Magnetic Resonance Imaging" International journal of Biomedical Engineering and Technology DOI: 10.1504/IJBET. 2019.10012451 2020 SCI Indexed.

11. R.Sampath "3D brain image-based Alzheimer's disease detection techniques using fish swarm optimizer's deep convolution Siamese neural network" Expert Systems Online ISSN: 1468-0394 10.1111 /exsy/.12963 2022 SCI Indexed.

12.R. Sampath "Whale Optimized Deep Generative Adversarial Network Based Alzheimer's Stages Detection Using 3D MRI Brain Neuroimaging" Journal of Computer Science - The Science Publishers https://doi.org/10.3844/ jcssp.2023.998.1014 2023 Scopus Indexed.

13. R.Sampath "Alzheimer's Disease Prediction Using Fly-Optimized Densely Connected Convolution Neural Networks Based on MRI Images" JPAD-JOURNAL OF PREVENTION OF ALZHEIMERS DISEASE Volume11 Issue4Page1106-1121 DOI 10.14283/jpad.2024.66 2024 SCI Indexed

14. R.Sampath "Biomarker extraction-based Alzheimer's disease stage detection using optimized deep learning approach" JOURNAL OF ALZHEIMERS DISEASE Volume107 Issue2 Pages 682-698 DOI 10.1177/13872877251360394 2025 SCI Indexed.

15. R.Sampath "A comprehensive cross-attention and fuzzy segmentation approach for rice plant disease detection" INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS Volume 16 Issue11 Page9295-9321 DOI10.1007/s13042-025-02755-1 SCI Indexed.

16.R.Sampath "Hippocampus Region's Volume-Based Alzheimer's Stages Detection Using a DeepLearning Model" 1st International Conference on Computational Science and Technology (ICCST) DOI:10.1109/ICCST55948.2022.10040422 2022 Scopus Indexed.

17.R.Sampath "An Optimized Deep Learning Approach To Identfiy the Alzheimer's StagesIdentification Based on Biomarkers Extraction" Intelligent Computing and Control for Engineering and Business Systems (ICCEBS) DOI:10.1109/ICCEBS58601.2023.10449183 2023 Scopus Indexed.

18.R.Sampath "Automated Feedback System" Intelligent Computing and Control for Engineering and Business Systems (ICCEBS) DOI:10.1109/ICCEBS58601.2023.10449113 2023 Scopus Indexed.

19. R.Sampath " Beyond Automation" The 4th International Conference on Information Technology and Security 42:217 DOI/10.1007/s10916018-1068-5 2023 Google Scholar Indexed.

20.R.Sampath "Pettogram - Bridging Aspirations And Investments In A Digital Landscape" International Conference on Communication, Computing and Internet of Things (IC3IoT) DOI:10.1109/IC3IoT60841.2024.10550230 2024 SCI Indexed.

21. R.Sampath "A fine-grained data analytical model for electronic healthcare data error mitigation"International Journal of Information Technology,https://doi.org/10.1007/s41870-025-02962-7 2025 Scopus Indexed.

22. R Sampath "Semantic Image Retrieval Using CNN-Based Feature Hashing and Density-Based Clustering Techniques", International Conference on Cyber Resilience (ICCR), 10.1109/ICCR67387.2025.11291816 2025 Scopus Indexed.

23. R Sampath " Adaptive Neuro-Fuzzy Inference System (ANFIS) for Clinical Decision Support in Remote Patient Monitoring", International Conference on Cyber Resilience (ICCR) 10.1109/ICCR67387.2025.11291842 2025 Scopus Indexed.

24. R.Sampath "DTLN: Deep Transformer Learning Network for Multi-Wavelength Strain Classification in Sports Wearables"IEEE Sensors Journal, 10.1109/JSEN.2025.3646111,SCI Indexed.

Patent Published/ Granted		
TITLE	**PATENT NO**	**DATE OF GRANT/PUBLISHED**
INTEGRATED SPECTRAL AND PROSODY CONVERSION WITH VOCODER OF VOICE SYNTHESIZER FOR HUMAN LIKE VOICE USING DEEP LEARNING TECHNIQUES	202241073323 A 30-12	30.12.2022
A DEVICE TO MONITOR SURVEILLANCE IN COLLEGE BUS USING IOT	202341053065 A	01.09.2023
DENTIFYING THE LANGUAGE PRESENT IN TEXT OR IMAGE USING VISUAL FEATURES TRAINING MODEL	202341053192 A	12.09.2024
ANIMAL DETECTING AND ALERTING DEVICE FOR AGRICULTURE FIELD	435972-001	29.10.2024 GRANTED

AI BASED AGRICULTURE MANAGEMENT SYSTEMM	450805-001	08.03.2025 GRANTED

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.

(Dr.Sampath R)