ANNAMACHARYA UNIVERSITY

About Profile

NAME: **Mrs.L.SIVAYAMINI**

DATE OF BIRTH: **12-07-1992**

DESIGNATION: **Assistant Professor**

DEPARTMENT: **ECE**

EMAIL ID: sivayamini470@gmail.com,

lsy@aitsrajampet.ac.in

DATE OF JOINING: **09-06-2016**

EMPLOYEE ID: **AITS041032**

Academic Profile

Qualification	Name of the Board/University	YEAR
Ph.D	Annamacharya University, Rajampet	Pursuing
M.Tech	JNTU, Anantapur	2015
B.Tech	JNTU, Anantapur	2013

Research Details

1. Areas of Specialization: Digital Image Processing, Embedded Systems, Communication Systems

2. List of Publications: 52

Journals: 31, International Conferences: 17, National Conferences: 04.

3. Awards Received: NIL

4. Research Guidance:

A) No. of Ph.D Guided: **NIL**

B) No. of M.Tech Guided: **NIL**

C) No. of B.Tech Guided: **12**

5. Details of Professional Membership:

IFERP   -   28693690

6. Subjects Taught:

Embedded System Concepts, Embedded Systems, Digital Signal Processing, Probability Theory & Stochastic Process, Random Variables and Random Process, Nano Electronics, Universal Human Values,Digital Image Processing, Satellite Communications, Cellular & Mobile Communication, Analog & Digital Communication, Digital Communication, Communication systems, Radar Engineering, Electronic Devices and circuits, Electronic circuits and analysis,

Publication Details

S.No.	Title	Publisher	Published Year
1.	An AI-Powered Diagnostic Model for Detection of Lung and Liver Cancer	Springer	2025
2.	Development of IoT Multilingual Voice Controlled Home Automation System	Springer	2025
3.	SOBOT: Design And Development of UV Sterilization Ostensible Doctor Robot for Clinical Purposes Based on IoT	IEEE	2024
4.	A Dynamic Deep Learning Model for Detection and Stage Categorization of Diabetic Retinopathy on Retinal Images	IEEE	2024
5.	An Artificial Intelligence Based Deeplearning Technique for Recognition of Multiple Brain Tumors on MRI Imager	IEEE	2024
6.	Design of Wireless Sensor-Based Automation System for Laboratory Using Internet of Things	Springer,	2024
7.	Deep Learning and Patch Processing Based Lung Cancer Detection on CT Images	Springer	2024
8.	A Hybrid Model for the Detection and Classification of Cardiovascular Diseases Based on Deep Learning and Optimization Techniques	Springer	2024
9.	Design of Optimal Waste Management System Using IOT and Machine Learning Technique in Educational Institutions	Springer	2024
10.	An Efficient Retinal Layer Segmentation Based on Deep learning Regression Technique for Early Diagnosis of Retinal Diseases in OCT and Fundus Images	Springer	2023
11.	An Efficient Method for Leaf Diseases Detection Using Deep Learning Technique	IEEE	2023
12.	A Neural Network and Optimization Based Lung Cancer Detection System in CT Images	Frontiers	2022
13.	Design of Smart Classroom in Educational Institutes for Smart and a Sustainable Campus Based on Internet of Things	Springer	2022

Patent Details

S. No.	Title of Patent	Submitted/Published /Awarded
1.	Machine Learning-Based Automatic Prediction of Student Performance to Support Higher Education Systems	Published
2.	Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities	Published