ANNAMACHARYA UNIVERSITY

About Profile

NAME: **Dr. FAHIMUDDIN SHAIK**

DATE OF BIRTH: **06-02-1983**

DESIGNATION: **Associate Professor**

DEPARTMENT: **ECE**

EMAIL ID: fahimaits@gmail.com, sfn@aitsrajampet.ac.in

DATE OF JOINING: **12-08-2006**

EMPLOYEE ID: **AITS041004**

Academic Profile

Qualification	Name of the Board/University	YEAR
Ph.D	SunRise University, Alwar, Rajasthan	2016
M.Tech	JNTU, Hyderabad	2007
B.Tech	JNTU, Hyderabad	2005

Research Details

1. Areas of Specialization: Digital Image Processing, Bio-Medical Image Processing,

2. List of Publications: 207

Journals: 134, Conferences: 64, Books: 09

3. Awards Received: 02

- Early Career Research Award Scheme by DST , India (Research Funding of 34 Lakhs)
- Research Excellence Award – 2023 by AGAR, Tamilnadu

4. Research Guidance:

A) No. of Ph.D Guided: **03** (Guiding)
B) No. of M.Tech Guided: **20**
C) No. of B.Tech Guided: **38**

5. Details of Professional Membership:

- Senior Member - Institute of Electrical and Electronics Engineers (IEEE), USA
- Life Member-Indian Society for Technical Education, India
- Life Member-Bio-Medical Engineering Society of India

6. Subjects Taught:

Digital Image Processing, Cellular Mobile Communications, Optical Fiber Communication, Design Thinking and Innovation, Signals and Systems, Analog Communication, Digital Communication, Electromagnetic Waves and Transmission Lines, Antenna and Wave Propagation, Electronic Devices and Circuits, Radar Engineering, Wireless Communications and Networks, Digital Signal Processing, Probability Theory and Stochastic Processes, Nano Electronics

Publication Details

S.No.	Title	Publisher	Published Year
1.	Enhanced multi-grade diabetic retinopathy detection and classification via ensembled deep learning model from retinal fundus image	Elsevier	2025
2.	An integrated method for detecting lung cancer via CT scanning via optimization, deep learning, and IoT data transmission	Frontiers	2025
3.	Improvised Spectral Efficiency and Channel Estimation Parameters in Visible Light Vehicular Communication by Integrating Simulation of Urban Mobility Data	IEEE	2025
4.	Detection of Cardio Vascular abnormalities using gradient descent optimization and CNN	Springer Nature	2024
5.	Blockchain-Enhanced Convolutional Neural Networks for Efficient Detection of Cardiovascular Abnormalities	Taylor & Francis	2024
6.	Multimodal Medical Image Fusion Using Minimization Algorithm	Springer Nature	2023
7.	Perimeter Degree Technique for the Reduction of Routing Congestion during Placement in Physical Design of VLSI Circuits	Wiley – Hindawi	2022

Patent Details

S. No.	Title of Patent	Submitted/Published /Awarded
1.	Computer-Implemented System for Analyzing Human Brain Images Using Functional Imaging Data	Published
2.	System and Computer Implemented Methods for Analyzing Features of Digital Medical Images	Published
3.	System and Computer Implemented Methods for Analyzing Features to Generate Sleep Disorder Insights	Published
4.	Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities	Published
5.	Computer-Implemented System for Optimizing Placement and Routing in Very-Large-Scale Integrated Circuit Design	Published
6.	Computer automated method for Detection of Brain Tumor	Published
7.	Method for Study and Detection of Tuberculosis	Published
8.	Design and Development of A CAD System Using IR Thermograph Images to Detect Diabetic Foot Ulcers	Published
9.	Method for Medical Image Analysis	Published