



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : BASINENI UMAKANTH
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : ECE
DATE OF BIRTH : 17-MAY-1988
DATE OF JOINING : 20 SEPT-2023
EMAIL ID : umakanth.info@gmail.com
EMPLOYEE ID : 1732



Academic Profile:

Qualification	Name of the Board/University	YEAR
M.Tech	JNTUA, Anantapur	2013
B.Tech	JNTUA, Anantapur	2010
DECE	State Board of Technical Education	2007

Research Details:

1. Areas of Specialization	:	Embedded Systems
2. No. of Publications	:	8
3. Awards Received	:	-
4. Research Guidance		
	No. of PhD Guided:	-
	No. of MTech. Guided:	2
	No. of B.Tech. Guided:	6
5. Details of Professional Membership:		IFERP, IAENG
6. Subjects Taught	:	ADICA, MPMC, EDC, BEEE, RS, CMC, WCN, CN, EMI, VLSI, DCD, DLD, MPI



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Publication Details:

Title	Publisher	Published Year
Detection and Classification of Lung Cancer through Integrated Image Processing and Machine Learning Approaches	2025 6th International Conference for Emerging Technology (INCET) has been posted to the IEEE Xplore	2025
Innovative Lung Cancer Diagnosis Using the AIReM-Net Hybrid Approach	ICCECE 2025 - International Conference on Computer, Electrical and Communication Engineering	2025
Incorporating Grey Wolf Optimization and Recurrent Neural Networks for Accurate Brain Tumor Detection	2024 International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET)	2024
Design and Implementation of Encryption/Decryption Architectures for BFV Homomorphic Encryption scheme"	Internation Journal of Techno-Engineering (IJTE)	2022
Diagonal Hamming Based Multi bit Error Detection and Correction Techniques for Memories	IJTE	2022
An Efficient and High-Performance VLSI Architecture for Convolution Based Dwt Using Truncation Mac	IJECEC	2019
An Intelligent Lighting System for Power Saving Applications	IJETT	2014
Detection of Energy Draining Attack using EWMA in Wireless AdHoc Sensor Networks	National Conference on Communications & Electrical Engineering	2013

Patent Details:

Title of Patent	Submitted/Published/Awarded
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