



# 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 : Dr. S. FAYAZ BREGUM  
DESIGNATION : Assistant Professor  
DEPARTMENT : ECE  
DATE OF BIRTH : 28-04-1986  
DATE OF JOINING : 20-12-2011  
EMAIL ID : Fayazbegums@gmail.com  
EMPLOYEE ID : 390



### Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph. D	J.S UNIVERSITY	2024
M.Tech (ES&VLSI)	Gouthami college for women (JNTUA)	2014
B. Tech	SRM UNIVERSITY	2011

### Research Details:

1. Areas of Specialization		:	Embedded system and Vlsi system design
2. No. of Publications		:	11
3. Awards Received		:	1
4. Research Guidance			
	No. of PhD Guided	:	-
	No. of MTech. Guided	:	1
	No. of B.Tech. Guided	:	12
5. Details of Professional Membership:			IAENG Life membership number: 390827



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6. Subjects Taught	:	Electromagnetic theory and transmission lines Electronic Devices and Circuits, Analog Communication Systems Antennas and wave propagation Optical communications Satellite communications Nano electronics Radar engineering Basic Electrical and Electronics Engineering Cellular and mobile communication Wireless communication network Quantum computing
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## Publication Details:

Title	Publisher	Published Year
Enhancement of Degraded Images via Fuzy Intensification Model	Springer	2021
Analysis of the Efficiency of Parallel Prefix Adders	Springer	2023
IoT-based Fire Analyzer and Fire Fighting System	Springer	2023
UART Implementation for RFID Modules with Various FPGA Technologies	Springer	2025
High-Performance 10T SRAM-Based Decoder for 4x4 Array	Springer	2025
Image Segmentation Using a Robust Fuzzy Subspace Clustering Approach	Springer	2025
Performance analysis of voltage scaled low power Clock distribution network with different frequencies	IJR UGC	2017
Automatic penalty system for controlling traffic Violations using RFID	IJRAR/vol 8 / issue 2/ 216	2021
Advancing land cover Classification with deep learning and satellite imagery	IEEE	2024
Implementation of low power, high performance 2-4 and 4-16 mixed logic line decoders	IJRAR/vol 8 / issue 2/ 217	2021
Investigation of Level Set Segmentation Procedures in Brain MR Images	Springer	2020



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## Patent Details:

Title of Patent	Submitted/Published/Awarded
Locally adaptive contrast improvement for underwater image enhancement	Published
Detection of fraudulentmedicare providers using decision tree and logistic regression models	Published
Method for Analyzing weather monitoring and notification system	Published