



# 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 : Y. SUNANDA  
DESIGNATION : ASSISTANT PROFESSOR  
DEPARTMENT : ECE  
DATE OF BIRTH : 02-06-1988  
DATE OF JOINING : 07-02-2022  
EMAIL ID : sunanday@aitsrajampet.ac.in  
EMPLOYEE ID : 1610



### Academic Profile:

Qualification	Name of the Board/University	YEAR
M. Tech	JNTUA	2011
B. Tech	JNTUA	2009
Intermediate	Board of Intermediate Education.	2005
S.S.C	Board of Secondary Education	2003

### Research Details:

1. Areas of Specialization	:	VLSI Design
2. No. of Publications	:	8
3. Awards Received	:	Nil
4. Research Guidance		
	No. of PhD Guided:	--
	No. of M.Tech. Guided:	--
	No. of B.Tech. Guided:	17
5. Details of Professional Membership:		--



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6. Subjects Taught	:	Electronic Devices and Circuits VLSI Design Linear IC applications Microprocessors and Interfacing Microprocessors and Microcontrollers Electronic Measurements & Instrumentation RADAR Systems Nano Electronics Embedded and Realtime Operating Systems Introduction to Verilog HDL programming. FPGA architectures and Applications Linear and Digital IC applications Digital IC applications VHDL programming Advanced Digital design concepts
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## Publication Details:

Title	Publisher	Published Year
Enhanced Image Dehazing Using Contrast-Based Fusion Techniques	Spinger	2025
Asymmetrically Clipped Optical Orthogonal Frequency Division Multiplexing (ACO-OFDM) in Underwater Optical Communication	Spinger	2025
VISION-BASED AI TECHNOLOGIES FOR EFFICIENT PIG FARMING	IEEE	2025
Design and Implementation of Booth Multiplier with Sklansky and Ling Adder	Spinger	2024
Morphology and EMD-Based Patch-Wise Image Fusion	Spinger	2023
Coordination Of Mobile Sensor For Target Tracking by Using Kalman Filter	IJFANS	2022
ARM9 Based Navigation System for Vehicles	IJESRT	2014
Zigbee GPS Based Tracking System Using ARM 9	IJECCE	2013



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## Patent Details:

Title of Patent	Submitted/Published/Awarded
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