



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 PAVAN KUMAR REDDY
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : ECE
DATE OF BIRTH : 03/08/1988
DATE OF JOINING : 30/05/2016
EMAIL ID : ypkr@aitsrajampet.ac.in
EMPLOYEE ID : 1211



Academic Profile:

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

Research Details:

1. Areas of Specialization	:	Embedded Systems, Image Processing
2. No. of Publications	:	21
3. Awards Received	:	Nil
4. Research Guidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	4
	No. of B.Tech. Guided:	28
5. Details of Professional Membership:		ISTE



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6. Subjects Taught	:	Electronic Devices and Circuits Digital Logic Design Linear IC applications Microprocessors and Interfacing Microprocessors and Microcontrollers Electronic Measurements & Instrumentation Embedded Systems Cellular & Mobile Communications RADAR Systems Optical Communications Nano Electronics Wireless Communication Embedded and Realtime Operating Systems Pulse and Digital Circuits Basic Electrical and Electronics Engineering Essentials of Electrical and Electronics Engineering
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Publication Details:

Title	Publisher	Published Year
IoT Based Delivery Robot with Theft Detection for Food and Goods Supply	Web of Conferences	2025
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
Home Automation without Internet to Run Electrical Devices	IEEE	2024
The Framework for Training and Validation of Healthcare System using Accurate Classifier Model	IEEE	2024
Design and Implementation of Booth Multiplier with Sklansky and Ling Adder	Spinger	2024
Reader for Blind Using the Raspberry Pi	Spinger	2023
Multimodal Medical Image Fusion Approach Using PCNN Model and Shearlet Transforms via Max Flat FIR Filter	Spinger	2023



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Morphology and EMD-Based Patch-Wise Image Fusion	Spinger	2023
Coordination Of Mobile Sensor for Target Tracking by Using Kalman Filter	IJFANS	2022
Wavelet And Cosine Transform Based Infrared and Visual Image Fusion	IJICS	2020
Wound Image Segmentation Using Markov Random Field Master	IJICS	2020
Indoor localization Via Neural Networks and Wi-Fi Signal	JETIR	2019
An IOT Based Real Time Weather Monitoring System by Using Raspberry PI	IJET	2018
An IOT Based Smart Industry Monitoring System by Using Raspberry Pi	IJET	2018
Application of Higher Order Image Co-Segmentation in Medical Images	IJRS	2017
Intelligent Vehicle Control and Sensor Network Based Monitoring Through Wireless	IJATIR	2015
Human control robot using gesture recognition	IJMET	2015
ARM9 Based Navigation System for Vehicles	IJESRT	2014
A High Equipped Performance Assessment Algorithm for object Tracking using DCTWT	IJPRES	2014
Zigbee GPS Based Tracking System Using ARM 9	IJECCE	2013

Patent Details:

Title of Patent	Submitted/Published/Awarded
METHOD FOR ANALYZING THE WEATHER MONITORING AND NOTIFICATION SYSTEM	Published