**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**

NAME: Y PAVAN KUMAR REDDY



PHOTO

DATE OF BIRTH: 03/08/1988

DESIGNATION: ASSISTANT PROFESSOR

DEPARTMENT:ECE

EMAIL ID:ypkr@aitsrajampet.ac.in

DATE OF JOINING:30/05/2016

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## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **M.Tech** | **JNTUA** | **2011** |
| **B.Tech** | **JNTUA** | **2009** |
| **I.P.E** | **BOARD OF INTERMEDIATE** | **2005** |
| **S.S.C** | **STATE BOARD** | **2003** |

## Research Details

1. Areas of Specialization: DECS
2. List of Publications:19
3. Awards Received:
4. Research Guidance:
5. No. of PhD Guided:
6. No. of M.Tech Guided:
7. No. of B.Tech Guided:30
8. Details of Professional Membership: ISTE
9. Subjects Taught: EDC, PDC, DLD, LICA, EMI,

RADAR, ES, CMC, WCN, MPI

## Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Zigbee GPS Based Tracking System Using ARM 9 | International Journal of Electronics Communication and Computer Engineering | 2013 |
| ARM9 Based Navigation System for Vehicles | the International Journal of Engineering Sciences & Research Technology (IJESRT) | 2014 |
| A High Equipped Performance Assessment Algorithm for object Tracking using DCTWT | International Journal of Professional Engineering Studies (IJPRES) | 2014 |
| Intelligent Vehicle Control and Sensor Network Based Monitoring Through Wireless | International Journal of Advanced Technology and Innovative Research(IJATIR) | 2015 |
| Human control robot using gesture recognition | International Journal & Magzine of Engineering, Technology | 2015 |
| Application of Higher Order Image  Co-Segmentation in Medical Images | International Journal of Research | 2017 |
| An IOT Based Real Time Weather Monitoring System by Using Raspberry PI | **International Journal of Engineering and Techniques** | 2018 |
| An IOT Based Smart Industry Monitoring System by Using Raspberry Pi | **International Journal of Engineering and Techniques** | 2018 |
| Indoor localization Via Neural Networks and Wi-Fi Signal | Journal of Emerging Technologies and Innovative research | 2019 |
| Wavelet And Cosine Transform Based Infrared And Visual Image Fusion | Journal of Information and Computational Science | 2020 |
| Wound Image Segmentation Using Markov Random Field Master | Journal of Information and Computational Science | 2020 |
| Coordination Of Mobile Sensor For Target Tracking By Using Kalman Filter | IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES | 2022 |
| Morphology and EMD-Based Patch-Wise Image Fusion | Lecture Notes in Electrical Engineering | 2023 |
| Reader for Blind Using the Raspberry Pi | Lecture Notes in Electrical Engineering, | 2023 |
| Multimodal Medical Image Fusion Approach Using PCNN Model and Shearlet Transforms via Max Flat FIR Filter | Lecture Notes in Electrical Engineering, | 2023 |
| Design and Implementation of Booth Multiplier with Sklansky and Ling Adder | Lecture Notes in Electrical Engineering, | 2024 |
| Enhanced Image Dehazing Using Contrast-Based Fusion Techniques | [Cognitive Science and Technology](https://www.springer.com/series/11554) | 2025 |
| IoT Based Delivery Robot with Theft Detection for Food and Goods Supply | E3S Web of Conferences | 2025 |
| Asymmetrically Clipped Optical Orthogonal Frequency Division Multiplexing (ACO-OFDM) in Underwater Optical Communication | [Cognitive Science and Technology](https://www.springer.com/series/11554) | 2025 |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
| **1** | **METHOD FOR ANALYZING THE WEATHER MONITORING AND NOTIFICATION SYSTEM** | **PUBLISHED** |