**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**



NAME: **Dr. M.VENKATA DASU**

DATE OF BIRTH: **01-07-1982**

 DESIGNATION: **Assistant Professor**

DEPARTMENT: **ECE**

 EMAIL ID: dassmarri@gmail.com,

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DATE OF JOINING: **06-12-2007**  EMPLOYEE ID:  **AITS041010**

## Academic Profile

|  |  |  |
| --- | --- | --- |
| **Qualification** | **Name of the Board/University** | **YEAR** |
| Ph.D | JNTUA, Ananthapuramu | 2023 |
| M.Tech | JNTU, Hyderabad | 2008 |
| B.Tech | JNTU, Hyderabad | 2004 |

## Research Details

1. **Areas of Specialization**: Remote Sensing, Biomedical Image Processing. Signal Processing
2. **List of Publications**: 59

 Journals: 31, International Conferences: 20,

 National Conferences: 08.

1. **Awards Received**: NIL
2. **Research Guidance:**
3. No. of Ph.D Guided: **NIL**
4. No. of M.Tech Guided:**15**
5. No. of B.Tech Guided: **38**
6. **Details of Professional Membership:**

ISTE - LM137452

1. **Subjects Taught:**

Electronic Devices and circuits, Signals and Systems, Digital Logic Design, Electronic Circuit Analysis, Pulse and Digital circuits, Linear IC Applications, Analog Communication, Communication Systems, Digital Communication, Digital Signal Processing, Microwave Engineering, Radar Engineering, Digital Image Processing, Cellular and Mobile Communication.

## Publication Details

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Title** | **Publisher** | **Published Year** |
|  | Deep Learning Based Approach for the Detection of Diabetic Retinopathy and Glaucoma | Springer | 2005 |
|  | Brain Tumour Segmentation in Multimodal MRI via Pixel-Level and Feature-Level Image Fusions | Springer | 2005 |
|  | Cardiac Diagnosis System For Heart Diseases Classification Based on Deep Learning and Optimization Strategies Using ECG Signals | IEEE | 2005 |
|  | DANNET: deep attention neural network for efficient ear identification in biometrics | San Diego CA: PeerJ Inc | 2024 |
|  | An automatic diagnostic model for the detection and classification of cardiovascular diseases based on swarm intelligence technique | Cell Press | 2024 |
|  | Classification of Alzheimer Disease using Machine Learning Algorithm | IEEE | 2024 |
|  | An Automatic Detection of Retinal Lesions for Screening of Diabetic Retinopathy | Springer | 2024 |
|  | An Improved Image Descriptor for Image Classification and CBIR Applications | Springer | 2024 |
|  | An Unsupervised Spectral-Spatial Feature Extraction Method for Hyperspectral Image Classification | Springer | 2024 |
|  | Deep concatenated features with improved heuristic based recurrent neural network for hyperspectral image classification | Springer | 2023 |
|  | Detecting the Clouds and Determining the Weather Condition and Coverage Area of Cloud Simultaneously Using CNN | Springer | 2023 |
|  | Fast Fog Removal Technique Using Multiple Exposure Image Fusion | Swets & Zeitlinger | 2021 |
|  | High Speed, Low Power Radix-4 Booth Multiplier | Swets & Zeitlinger | 2021 |
|  | Robust Algorithm for Segmentation of Left Ventricle in Cardiac MRI | Springer | 2020 |

## Patent Details

| **S. No.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
|  | Artificial Intelligence Based Medical Device for Measuring Bodily Fluid in Neontes. | Published |
|  | Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities | Published |