**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**



NAME: **P. HARI OBULESU**

DATE OF BIRTH: **15-05-1991**

DESIGNATION: **Associate Professor**

DEPARTMENT: **ECE**

EMAIL ID: [p.hariobulesu@gmail.com](mailto:p.hariobulesu@gmail.com),

phobulesu[@aitsrajampet.ac.in](mailto:sfn@aitsrajampet.ac.in)

DATE OF JOINING: **12-07-2023**  EMPLOYEE ID: **AITS041063**

## Academic Profile

|  |  |  |
| --- | --- | --- |
| **Qualification** | **Name of the Board/University** | **YEAR** |
| Ph. D. | JNTU, Anantapur | Pursuing |
| M. Tech. - DECS | JNTU, Hyderabad | 2015 |
| B. Tech. - ECE | JNTU, Anantapur | 2013 |

## Research Details

1. **Areas of Specialization**: Digital Image Processing, Bio-Medical Image Processing,

1. **List of Publications** : **16** (Journals: 05, Conferences: 10, Book Chapters: 01)
2. **Awards Received** : **00**
3. **Research Guidance :**

A). No. of Ph. D. Guided : **00**

B). No. of M. Tech Guided : **02**

C). No. of B. Tech. Guided : **15**

1. **Details of Professional Membership:**

A). MIAENG

1. **Subjects Taught:**

Electromagnetic Waves and Transmission Lines, Antenna and Wave Propagation, Digital Logic Design, Linear IC Applications, Digital Electronics and Microprocessors, Basic Electrical and Electronics Engineering, Probability Theory and Stochastic Processes

## Publication Details

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Title** | **Publisher** | **Published Year** |
|  | Enhanced multi-grade diabetic retinopathy detection and classification via ensembled deep learning model from retinal fundus image | Elsevier | 2025 |
|  | Speckle Reduction for the SAR Images Using an Improved Truncated Variational Method—Based Array | Springer Nature | 2025 |
|  | Design and Development of Fossil Image Segmentation System Using Hybrid Evolutionary Algorithms | Springer Nature | 2025 |
|  | Dynamic AP-UE Association and Power Allocation in Sparse LSFD for Energy-Constrained Networks | IEEE | 2025 |
|  | Design and Development of Fossil Image Segmentation System Using Hybrid Evolutionary Algorithms | Springer Nature | 2025 |
|  | Minimization of image surface curvatures via image reconstruction using discrete mean and Gaussian curvature | Springer Nature | 2025 |
|  | Exploring the Landscape of Diabetic Retinopathy Diagnosis: Insights from Extensive Literature Review and Preliminary Fundus Image Analysis | IEEE | 2024 |
|  | Extreme Learning Machine (ELM) Algorithm for the Detection of Diabetic Retinopathy | IEEE | 2024 |
|  | Pilot Allocation in channel estimation for MIMO OFDM System using Haar Wavelet Transform | IJSDR | 2022 |
|  | A Noval Architecture for optimized MBIST using March Algorithm | IJESGR | 2019 |