Faculty Profile

Basic Information:

NAME : **P. HARIOBULESU**

DESIGNATION : **Assistant Professor**

DEPARTMENT : **ECE**

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

DATE OF JOINING : **12-07-2023**

EMAIL ID : p.hariobulesu@gmail.com
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EMPLOYEE ID : **1716**

Academic Profile:

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

Research Details:

1. Areas of Specialization		:	Bio Medical Image Processing, Digital Electronics & Communication Systems
2. No. of Publications		:	17
3. Awards Received		:	Nil
4. Research Guidance			
	No. of PhD Guided	:	Nil
	No. of MTech. Guided	:	02
	No. of B.Tech. Guided	:	28
5. Details of Professional Membership :			IAENG – 297102 IFERP - 16645728
6. Subjects Taught		:	UG Level: ❖ Basic Electrical & Electronics Engineering ❖ Digital Electronics and Microprocessors ❖ Digital Circuits Design ❖ Switching Theory and Logic Design ❖ Electromagnetic Theory and Transmission

		Lines ❖ Microprocessors and Interfacing ❖ Antennas and Wave Propagations ❖ Linear and Digital IC Applications ❖ Microprocessors and Microcontrollers ❖ Satellite Communications ❖ Microwave Engineering PG Level: ❖ Error Control Coding ❖ Wireless Communications and Networks ❖ Low Power VLSI Design

Publication Details:

Title	Publisher	Published Year
Deep Learning-Based ECG Signal Quality Determination with Optimized CNN Hyperparameters	IEEE	2025
Enhanced multi-grade diabetic retinopathy detection and classification via ensembled deep learning model from retinal fundus images	Elsevier	2025
Dynamic AP-UE Association and Power Allocation in Sparse LSFD for Energy-Constrained Networks	IEEE	2025
Integrated Deep Learning Methodology for Early Glaucoma Detection and Diagnosis using Retinal Fundus Images	IEEE	2024
Incorporating Grey Wolf Optimization and Recurrent Neural Networks for Accurate Brain Tumor Detection	IEEE	2024
Exploring Diabetic Retinopathy Diagnosis: Insights from a Comprehensive Literature Review and Initial Fundus Image Analysis	IEEE	2024
The channel estimation for MIMO-OFDM systems using discrete wavelet transform	AIP	2024
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
Design and Development of Fossil Image Segmentation System Using Hybrid Evolutionary Algorithms	Springer	2023

Speckle Reduction for the SAR Images Using an Improved Truncated Variational Method—Based Array	Springer	2023
Minimization of the Image Surface Curvature via Image Reconstruction Using Discrete Mean and Gaussian Curvature	Springer	2023

Patent Details:

Title of Patent	Submitted/Published/Awarded
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