Faculty Profile

Basic Information:



NAME	:	**A. HIMA BINDU**
DESIGNATION	:	**ASSISTANT PROFESSOR**
DEPARTMENT:		**ELECTRICAL & ELECTRONICS ENGINEERING**
DATEOFBIRTH	:	**04/05/1988**
DATEOFJOINING	:	**12/03/2021**
EMAILID	:	**ahimabindu.eee@gmail.com**
EMPLOYEEID:		**1516**

AcademicProfile:

Qualification	Name of the Board/University	YEAR
S.S.C	CENTRAL BOARD OF SECONDARY EDUCATION	2003
INTERMEDIATE	NARAYANA JUNIOR COLLEGE, KADAPA	2005
B. TECH	S. V. UNIVERSITY, TIRUPATI	2009
M.TECH	S. V. UNIVERSITY, TIRUPATI	2013

ResearchDetails:

1.Areas of Specialization	:	ELECTRIC VEHICLES
2.No.of Publications	:	14
3.Awards Received	:	
4.ResearchGuidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	20
5.Details of Professional Membership:		IAENG

6.SubjectsTaught	:	• Principles of Electrical Engineering • Electrical Technology • Electrical Circuits • Electrical Networks • Digital Signal Processing • Fundamental of Electronic Devices & Circuits • Hybrid Electric Vehicles • Network Analysis & Synthesis • Utilization of Electric Energy • Battery Energy Management System • Basics of Electrical & Electronics Engineering • Universal Human Values • Microprocessor & Microcontroller • Digital Circuits

Publication Details:

Title	Publisher	Published Year
1. Economic and Load Dispatch by CUCKOO Search Algorithm.	IJERA	2013
2. Comparison of Controllers Design for Two Area Interconnected Hydro-Thermal Power Generation System.	IJSETR	2018
3. Harmonic reduction in 3-Phase Single Switch Boost PFC Converter.	IJISEA	2022
4. Reduce Power Quality Problems Owing to Nonlinear Loads in Electric Grid Systems Using Series APF.	IJFANS	2022
5. Load Shedding Time Management With Programmable Interface	IJSREM	2022
6. ELECTRIC VEHICLES: A GLIMPSE OF INFORMATION.	IJFANS	2022
7. Charging of Electrical Vehicle by Using Switched Reluctance Motor Drives.	IJARESM	2023
8. Three Level T Type Quasi Z Source PV Grid Tied Inverter With Active Power Filter Functionality Under Research Focus.	METSZET	2023
9. Implementation of an Improved Phasor Approximation Technique for Compensating the CCTV Transient Effect.	IEEE	2023
10. Power Quality Improvement Of A Proposed Single-Source Switched-Capacitor Based 13-Level Boost Inverter During Offgrid And Grid Conditions.	JNAO	2024
11. Efficient Multi-Level Inverter Design for High-Frequency Switched-Capacitor Integration in Three-Phase Induction Motors with PV and Battery Systems.	IJISAE	2024
12. ANFIS-based optimization for achieving the maximum torque per ampere in induction motor drive with conventional PI.	IJAPE	2024
13. High-Speed DC-Bus Voltage Controller with Adaptive Droop Control for Enhanced Performance in Single-Phase Grid-Connected Inverters.	ICAECT	2024
14. Electric Vehicle -to-Vehicle Energy Transfer with Bidirectional On-Board Converters.	ICMVRCET	2024