Faculty Profile

Basic Information:



NAME	:	**Nandyala SreeramulaReddy**
DESIGNATION	:	**Assistant Professor**
DEPARTMENT:		**Electrical and Electronics**
DATE OF BIRTH	:	**20-04-1989**
DATE OF JOINING	:	**26-06-2014**
EMAIL ID	:	**ammasreeram@gmail.com**
EMPLOYEE ID:		**:594**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Power Electronics and drives	VIT University	2014
Electrical & Electronics Engineering	Jawaharlal Nehru Technological University, Hyderabad	2010
Intermediate	Board of Intermediate Education, Andhra Pradesh	2006

Research Details:

1. Areas of Specialization	:	Power Electronics and Drives
2. No. of Publications	:	20
3. Awards Received	:	
4. Research Guidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	04
	No. of B.Tech. Guided:	15
5. Details of Professional Membership:		
6. Subjects Taught	:	1. Switching Theory and Logic Design 2. Power Electronics 3. Analog Electronics 4. Switchgear and Protection 5. Hybrid Electrical Vehicles 6. Network Analysis 7. Electrical Technology

Publication Details:

Title	Publisher	Published Year
Real Time Monitoring and Analysis of String Faults in Solar Plant Using IoT	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	2024
Optimisation of Torque Ripples in Permanent Magnet Synchronous Motor using Hysteresis Current Controller	International Conference on Renewable Energy, Green Computing and Sustainable Development (ICREGCSD 2023)	2024
IoT Integrated Intelligent Entry Monitoring System for Covid-19 Detection	2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)	2024
Dead Time Compensation Scheme Using Space Vector PWM for 3Ø Inverter	Smart Grids for Smart Cities	2023
Design and Analyzing of DC Transformer Efficiency Enhancement for Microgrid Applications	2023 4th International Conference for Emerging Technology (INCET)	2023
Real-Time Data Acquisition to Excel and Monitoring Characteristics of Solar Panel Using Arduino	International Journal of Recent Advances in Multidisciplinary Topics	2022
Implementation of Agricultural Robot Using IOT	International Journal of Engineering	2019
Power flow analysis for gird connected DGs and battery based transformer coupled Bidirectional DC-DC converter	International Journal of Electrical Engineering	2017
Compensation of utility current and supplies power to nonlinear load by using PV-active power filter combination by fuzzy	International journal of electrical engineering	2016
PQ improvement with grid connected PV & APF combination system with local controller	National conference on recent advancements in power and energy systems (NCRAIPES-16)	2016
Implementation of Floating Output Interleaved Input DC-DC Boost Converter" International Journal of Engineering	IJE TRANSACTIONS C	2015
A Novel High Step-up Multilevel Boost Converter Using Double Voltage-Lift Switched-Inductor Cell	IEEE International Conference on Circuit, Power and Computing Technologies ICCPCT 2014	2014
A Novel single phase Advanced Multilevel Inverter with Adjustable Amplitude of voltage Levels	IEEE International Conference on Circuit, Power and Computing Technologies ICCPCT 2014	2014

A Novel High Gain Floating Output DC-DC Multilevel Boost Converter for Fuel Cell Applications	IEEE International Conference on Circuit, Power and Computing Technologies ICCPCT 2014	2014
A Novel Sepic Based Dual Output DC-DC Converter for Solar Applications	IEEE International Conference on Power and Energy Systems: Towards Sustainable Energy, PESTSE 2014.	2014
Non-Isolated Dual Output Hybrid DC-DC Multilevel Converter for Photovoltaic Applications	IEEE International Conference on Devices, Circuits and Systems – ICDCS	2014
A Novel Non Isolated Switched Inductor Floating Output DC-DC Multilevel Boost Converter for Fuel cell Applications	IEEE Students' Conference on Electrical, Electronics and Computer Sciences 2014	2014
A Novel High step-up DC-DC Multilevel Buck-Boost Converter Using Voltage-Lift Switched-Inductor Cell	IEEE international conference on computer communication and systems ICCCS 2014	2014
A Novel Non-Isolated Switched Inductor Floating Output DC-DC Multilevel Boost Converter For Fuelcell Applications	2014 IEEE Students' Conference on Electrical, Electronics and Computer Science, Bhopal, India	2014
A novel high gain buck-boost multilevel converter using double voltage-lift switched-inductor cell	IEEE International Conference on Computer Communication and Systems ICCCS14	2014
A novel high gain buck-boost multilevel converter using double voltage-lift switched-inductor cell	IEEE International Conference on Computer Communication and Systems ICCCS14	2014

Patent Details:

Title of Patent	Submitted/Published/Awarded
AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES	published