Faculty Profile

Basic Information:

NAME : Dr. S. Venkateswarlu Reddy

DESIGNATION : Assistant Professor

DEPARTMENT : EEE

DATE OF BIRTH : 04/05/1990

DATE OF JOINING : 11/10/2023

EMAIL ID : drsv@aitsrajampet.ac.in
chvreddy237@gmail.com

EMPLOYEE ID: 1742



Academic Profile:

Qualification	Name of the Board/University	YEAR
AICTE-QIP-PG Certificate Programme	IIITDM Kurnool	2024
Ph.D.	VIT University	2021
M. Tech	JNTUH	2014
B. Tech	JNTUA	2011
Intermediate	Board of Intermediate Education	2007
S.S.C.	Board of Secondary Education	2005

Research Details:

1. Areas of Specialization	:	Power System
2. No. of Publications	:	33
3. Awards Received	:	0
4. Research Guidance		
	No. of PhD Guided:	0
	No. of MTech. Guided:	0
	No. of B.Tech. Guided:	25
5. Details of Professional Membership:		ISTE, IEEE

6. Subjects Taught	:	Power System Stability and Control, Applications of Power System, BEEE, Network Analysis, control systems

Publication Details:

Title	Publisher	Published Year
cutting-edge artificial intelligence paradigm for entertainment-infused music recommendations	Entertainment Computing	2024
Performance and robustness analysis of V-Tiger PID controller for automatic voltage regulator	Scientific Reports	2024
Fuzzy Logic-Based Load Frequency Control in an Island Hybrid Power System Model Using Artificial Bee Colony Optimization	Energies	2022
A review on Damping of Torsional Interactions using VSC based FACTS and Sub-synchronous Damping Controller	Annual Reviews in Control	2018
Analysis and Mitigation of SSR in Non-identical Generators using Multimodal BPF based SSDC	ISA Transactions	2021
Design of Power System Stabilizer using Flower Pollination Algorithm	International Journal of Engineering and Technology	2018
BPF based Estimation and Mitigation of SSR with SSSC	International Journal of Innovative Technology and Exploring Engineering	2019
Software-in-the-Loop Testing of SSSC Type-1 Controller Connected in SMIB	International Journal on Emerging Technologies	2020
Analysis and Mitigation of Multimodal SSR using Kalman Filter based SSDC in Non-identical Generators	International Journal of Emerging Trends in Engineering Research	2020
Reparation of Inductive Power in Power System by use of FACTS devices	International Journal for Modern Trends in Science and Technology (IJMTST)	2016
An Enhancement of Power Quality by the use of D-STATCOM and Soft Computing Techniques	International Journal for Modern Trends in Science and Technology (IJMTST)	2016
Integrated PMU and UPFC Approach for Dynamic Monitoring and Control of Voltage Stability	2025 Innovations in Power and Advanced Computing Technologies (i-PACT)	2025
Enhancing Disabled Mobility and Health Safety through IoT-Integrated Smart Wheelchairs	2025 Innovations in Power and Advanced Computing Technologies (i-PACT)	2025
IoT Based Preservative System for Food Grade Item Using PV Technique	2025 13th International Conference on Smart Grid (icSmartGrid)	2025

Battery Monitoring and Control System for EV using IOT Technology	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	2024
An Enhanced Repetitive Control Framework for Adaptive Neuro-Fuzzy Learning Grid-Connected Inverter with Current Control and Frequency Adaptability	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	2024
Prevention of Road Accidents by Using LiFi Technology	2024 Third International Conference on Trends in Electrical, Electronics, and Computer Engineering (TEECCON)	2024
Facial Sentiment Analysis: Enhancing Emotion Recognition Through Advanced Convolutional Neural Network Architectures	2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering (ICICEC)	2024
Design of Transcutaneous Electrical Nerve Stimulator Machine for Chronic Low Back Pain	IEEE 2024 Fifth International Conference on Circuits, Control, Communication and Computing (I4C)	2024
An Economic IoT-driven Rural Greenhouse Control System for Optimal Plant Growth	2024 Third International Conference for Advancement in Technology (ICONAT)	2024
Design and Implementation of Automatic Control of Power Source Selection to Charge on EV Battery	International Conference on Multidisciplinary Research in Technology and Management	2024
A Novel Breathing Rate Estimation Framework using Three Distinct types of Signals	2023 Innovations in Power and Advanced Computing Technologies (i-PACT2023)	2023
Achieving Convertness in the Wireless Mode-based Communication in the IoT Connection with use of THZ Band and AWGN Channel	2023 2nd International Conference on Trends in Electrical, Electronics, Computer Engineering (TEECCON-2023)	2023
Contactless Fog based Handwash Kit for COVID Safety	2022 4th International Conference on Circuits, Control, Communication and Computing (I4C)	2022
Designing of Six Wheel Robotic Vehicle for Instant Disinfection and Sanitization	IEEE 2022 Trends in Electrical, Electronics, Computer Engineering Conference (TEECCON-2022)	2022
Performance Analysis of Flat Plate Hybrid PV/Thermal Configurations	International Conference on Recent Trends in Electrical, Electronics & Computer Engineering for Environmental and Sustainable Development (ICRTEEC 2022)	2021
Modeling and Simulation of PMSG based Wind Turbine Connected to Grid	3rd IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT2021)	2021

Controller Design For Detection of Various Power Thefts	3rd IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT2021)	2021
Analysis of SSR with SSSC using FPA based Voltage Controller	2nd IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT2019)	2019
Performance and Control Enhancement of Two Area Load Frequency Control using Tandem Compound Turbine	2nd IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT2019)	2019
Design of Power System Stabilizer using Flower Pollination Algorithm	International Conference on World Summit on Advances in Science, Engineering and Technology, University of Cambridge, UK	2018

Patent Details:

Title of Patent	Submitted/Published/Awarded
Assorted Wireless Charging Power Adapter	6259175
Variable Rating Accumulator Charging Station with Tools Box	6270282
A Smart and Collapsible Space-Saving Head Guard for Riders	202341020328
Multi-Socketed Terminal Board with Wireless Audio Player	6299074
Integrated Wireless Projector and Camcorder	6299363
Multi-Socketed Terminal Board with Wireless Audio Player	396980-001