

FACULTY PROFILE

Faculty Name: M.MADHUSUDHAN REDDY

Faculty Photo:



Faculty Description:

M.Madhusudhan Reddy is the Associate Professor and He is also the Principal at Dr.K.V.Subba Reddy College of Polytechnic, Kurnool. Department of Electrical and Electronics Engineering at Dr.K.V.Subba Reddy Institute of Technology, Kurnool.

Profile Tab:

Qualification

Qualification	Institution	Year
Bachelor's degree	KTRMEC	2009
Master's degree	SMCET	2012

Experience

Designation	Institution	From	To
Associate Professor	Dr.K.V.Subba Reddy Institute of Technology, Kurnool.	2018	Till date
Assistant Professor	Guru Nanak Engineering College ,Hyderabad	2017	2018

Designation	Institution	From	To
Assistant Professor	Dr.K.V.Subba Reddy Institute of Technology, Kurnool	2009	2017

Responsibilities Tab:

Responsibilities

- Principal at Dr.K.V.Subba Reddy Polytechnic, Kurnool.
- Academic Counselor for II B.Tech Electrical and Electronics Engineering in Dr.K.V.Subba Reddy Institute of Technology, Kurnool.
- Disciplinary in charge for Electrical and Electronics Engineering in Dr.K.V.Subba Reddy Institute of Technology, Kurnool.

Teaching Tab:

Expertise / list of subjects handled

Under Graduate Courses: Generation of Electrical Power, Transmission of Electrical Power, Distribution of Electrical Power, Power System Protection, Switch theory and logic design Principles of Electrical Engineering, Electrical Circuit Analysis, Network analysis, FACTS, HVDC Transmission, Electrical Machines –I, Electrical Machines –II, Power System Analysis, Electromagnetic Fields, Electrical Measurements

Post Graduate Courses: Advanced Power System Protection, FACTS Controllers, Solar Energy Conversion Systems, Reactive Power Compensation & Management, Power System Optimization, HVDC & EHVAC Transmission Systems

Research Tab:

Publications tab:

Conferences

#1. Enhanced Phase Locked loop Based Control Technique for Interline Unified Power Quality Conditioner. In NCIRET -2015, April 25th at Dr KVSRLT.

#2: “Detection and Classification of Voltage Sag Using Adaptive Decomposition and Wavelet Transformation. In Electrical Engineering and Computer Science (ICEECS) held at Goa on 16th June, 2012

Journals

#1: An Accurate Frequency Tracking Method Based On Short Current Detection. In IJRIT, Volume 2 Issue 4. Sep-2015

#2: A Smart Strategy for Voltage Control Ancillary Service. In IJRIT, Volume 2 Issue 4. Sep-2015

#3: Design of Islanding Detection Using Phase lacked Loops in Three phase Grid Interfacing Powers. In IJRIT, Volume 2 Issue 4. Sep-2015

#4: Linear-Quadratic Regulator controller with fuzzy based high performance frequency converter controlled variable-speed wind generator. In International Journal of Food and Nutritional Sciences, 2022.

#5: SMART GRID POWER QUALITY IMPROVEMENT USING MODIFIED UPQC. In POSITIF Journal, Vol 22, Issue 12, 2022.

#6: DESIGN AND SIMULATION OF PV POWER CONVERTER IN RELECTANCE BASED WIND POWER GENERATION. In POSITIF Journal, Vol 23, Issue 8, 2023.

FDPs AND STTPs TAB :

1. Has Completed A six day Online Faculty Development Program ON RECENT ADVANCEMENTS IN POWER SYSTEMS from 28/11/22 to 3/12/22.
2. Participated in the One Week Faculty Development Program on “Recent Advancements in Electrical Transportation Technologies”, held from 05/02/2022 to 11/02/2022 at “Vivekananda Institute of Technology ”.
3. Participated and successfully completed the AICTE Sponsored Six day online Short Term Training Program (STTP) on Novel Design & Control Strategies and Innovative Technical Practices in LV/HV Modern Switchgear from 23rd july to 29th july 2020 organised by the Department of Electrical and Electronics Engineering, Saranathan college of Engineering.

Blog Tab:

Blog link : [blogspot.com](https://www.blogspot.com)