



# MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

(Autonomous Institution-UGC, Govt. of India)

NIRF Indian Ranking, Accepted by MHRD, Govt. of India

Accredited by NBA & NAAC with 'A' Grade UGC, Govt. of India

Permanently Affiliated to JNTUH, Approved by AICTE, ISO 9001:2015 Certified Institution  
AAA+ Rated by Careers 360 Magazine, National Ranking-Top 100 Rank band by Outlook

## ELECTRICAL AND ELECTRONICS ENGINEERING

### FACULTY PUBLICATIONS FOR THE ACADEMIC YEAR 2020-2021

**Dr. P. Balakrishnan**

#### **International / National Conferences:**

1. **“Wavelet and Intelligent Technique Based Transmission Line Fault Detection, Classification and Location”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 1-9, ISBN: 978-81-947249-4-0.
2. **“Reactive Power Management with DSTATCOM and Matrix Converter”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 143-150, ISBN: 978-81-947249-4-0.

**Dr. R. Velmurugan**

#### **International / National Conferences:**

1. **“Wavelet and Intelligent Technique Based Transmission Line Fault Detection, Classification and Location”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 1-9, ISBN: 978-81-947249-4-0.

**Dr. S. Vijaya Madhavi**

#### **International / National Conferences:**

1. **“Power Quality Improvement in Grid Connected Photo Voltaic System by THD Reduction”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 138-142, ISBN: 978-81-947249-4-0.

**Mr. N. Raveendra**

**International / National Conferences:**

1. **“TLBO Tuned PI controller Based STATCOM for PQ Improvement in a Distribution System”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 15-18, ISBN: 978-81-947249-4-0.

**Mrs. S. Swathi**

**International / National Conferences:**

1. **“Optimal Allocation of Distributed Generation in Distribution Network Using ACSA”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 23-27, ISBN: 978-81-947249-4-0.

**Mr. V. Naresh**

**International / National Conferences:**

1. **“Improvement of Power Quality in Solar Distribution Power Generation Using DSTACOM”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 52-57, ISBN: 978-81-947249-4-0.
2. **“Active Power Improvement Using Custom Power Devices and Renewable Energy Sources”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 64-68, ISBN: 978-81-947249-4-0.

**Mr. N. Saida Rao**

**International / National Conferences:**

1. **“Inertia Control of Virtual Synchronous Generator with Different Adaptivity Methods”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 84-89, ISBN: 978-81-947249-4-0.

**Mrs. P. Radhika**

**International / National Conferences:**

1. **“Power Quality Improvement in Grid Connected Wind Energy Conversion Systems by Using Custom Power Device”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 118-124, ISBN: 978-81-947249-4-0

**Mr. A. Ravi Kumar**

**International / National Conferences:**

1. **“Inertia Control of Virtual Synchronous Generator with Different Adaptivity Methods”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 84-89, ISBN: 978-81-947249-4-0.

**Mr. V. Brahmam Yadav**

**International / National Conferences:**

1. **“Active Power Improvement Using Custom Power Devices and Renewable Energy Sources”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 64-68, ISBN: 978-81-947249-4-0.

**Mrs. C. Prasanna Kumari**

**International / National Conferences:**

1. **“Active and Reactive Power Control of Distributed Generation System with Single Phase Transformer less Grid Connected Inverter”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 125-132, ISBN: 978-81-947249-4-0.

**Mrs. G. Sravani**

**International / National Conferences:**

1. **“Power Quality Improvement in Grid Connected Photo Voltaic System by THD Reduction”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 138-142, ISBN: 978-81-947249-4-0.

**Mrs. I. Rohini**

**International / National Conferences:**

1. **“Control of Grid-Connected PV Inverters Using Sliding Mode Controller”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 106-111, ISBN: 978-81-947249-4-0.

**Mrs. K. Kundana Kumari**

**International / National Conferences:**

1. **“An Efficient Multilevel Level Inverter with Low Total Harmonic Distortion”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 112-117, ISBN: 978-81-947249-4-0.

**Mr. Vijay Kumar Naik**

**International / National Conferences:**

1. **“Design of Ripple Less Torque And Effective Speed Controller for A BLDC Motor Using Support Vector Machine Integrated with Model Predictive Controller”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 33-51, ISBN: 978-81-947249-4-0.

**Mr. Kumara Swamy**

**International / National Conferences:**

1. **“Design of Ripple Less Torque And Effective Speed Controller for A BLDC Motor Using Support Vector Machine Integrated with Model Predictive Controller”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 33-51, ISBN: 978-81-947249-4-0.

**Mrs. G. Suguna**

**International / National Conferences:**

1. **“Harmonic Transfer Characteristics of A New HVDC System Using Inductive Filtering Method”** in 6th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2021), January 23-24, 2021. PP: 90-100, ISBN: 978-81-947249-4-0.