



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 2019-2020

Dr. P. Balakrishnan

Journals:

SCI:

1. **“A new intelligent scheme for power system faults detection and classification: A hybrid technique”**. International Journal of Numerical Modeling: Electronic Networks, Devices and Fields. 2020 Sep; 33(5):e2728.
2. **“Current status and future prospects of renewable energy: A case study”**. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. 2020 Nov 1; 42(21):2698-703.

International / National Conferences:

1. **“Fingerprint Biometric Attendance and Information System For Veterinary Hospital Doctors”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 1-4, **ISBN: 978-93-88808-45-3.**
2. **“Analyzing the Effects of DSM Strategies on Reliability”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 5-8, **ISBN: 978-93-88808-45-3.**
3. **“A Novel Green Energy Technology for Hybrid Electric Vehicle Using IOT”** in 5th International Conference on Emerging Trends In Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 9-15, **ISBN: 978-93-88808-45-3.**
4. **“Modeling and Analysis of A Digital Control for Single Phase Multilevel Inverter With Nonlinear Load”** in 5th International Conference on Emerging Trends In Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 22-27, **ISBN: 978-93-88808-45-3.**
5. **“Tamil Nadu State Biomass Resource Assessment of Existing Plants”** in 5th International Conference on Emerging Trends In Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 184-188, **ISBN: 978-93-88808-45-3.**

Dr. R. Velmurugan

International / National Conferences:

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Mr. N. Raveendra

International / National Conferences:

1. **“An ORNN Control Scheme Based Multi Level DVR for Mitigation of Power Quality Issues”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 214-218, **ISBN: 978-93-88808-45-3.**

Mrs. S. Swathi

International / National Conferences:

1. **“Optimal Allocation of Distributed Generation in Distribution Network Using ACSA”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 230-234, **ISBN: 978-93-88808-45-3.**

Mr. V. Naresh

International / National Conferences:

1. **“Grid Active Power Improvement in Wind Energy System Using Static Compensator and Battery Energy Storage System”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 157-162, **ISBN: 978-93-88808-45-3.**
2. **“Improvement of Power Quality in Solar Distribution Power Generation Using DSTACOM”.** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 206-211, **ISBN: 978-93-88808-45-3.**

Mr. N. Saida Rao

International / National Conferences:

1. **“PWM CONTROL OF SOFT-SWITCHED SINGLE SWITCH ISOLATED DC-DC CONVERTER”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 219-224, **ISBN: 978-93-88808-45-3.**

Mrs. P. Radhika

International / National Conferences:

1. **“Reliability Enhancement Based on Reactive Power Compensation in Power Systems”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 163-167, **ISBN: 978-93-88808-45-3.**
2. **“Power Quality Improvement with Ultra Capacitor Energy Storage System”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 168-171, **ISBN: 978-93-88808-45-3.**

Mr. A. Ravi Kumar

International / National Conferences:

1. **“Design Of Lypaunov Function Based Model Predictive Controlled Wind Solar Hybrid System Fed BLDC Motor for Commercial Applications”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 189-205, **ISBN: 978-93-88808-45-3.**

Mr. V. Brahmam Yadav

International / National Conferences:

1. **“Grid Active Power Improvement in Wind Energy System Using Static Compensator and Battery Energy Storage System”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 157-162, **ISBN: 978-93-88808-45-3.**

Mrs. C. Prasanna Kumari

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Mrs. G. Sravani

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Mrs. I. Rohini

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Mrs. K. Kundana Kumari

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Mr. Vijay Kumar Naik

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1. **“Fingerprint Biometric Attendance and Information System For Veterinary Hospital Doctors”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 1-4, ISBN: 978-93-88808-45-3.
2. **“Differential Protection for power Transformer Using ANFIS with Wavelet Transform”**. in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 235-24, ISBN: 978-93-88808-45-3.

Mr. Ruth Kezia

International / National Conferences:

1. **“Mitigation of Commutation Failures in HVDC System Using Hybrid Passive Filters with Controlled Capacitors”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 225-229, ISBN: 978-93-88808-45-3.

Mr. Kumara Swamy

International / National Conferences:

1. **“Design Of Lypaunov Function Based Model Predictive Controlled Wind Solar Hybrid System Fed BLDC Motor for Commercial Applications”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 189-205, **ISBN: 978-93-88808-45-3.**

Mrs. G. Suguna

International / National Conferences:

1. **“Mitigation of Commutation Failures in HVDC System Using Hybrid Passive Filters with Controlled Capacitors”** in 5th International Conference on Emerging Trends in Electrical Systems & Engineering (ICETESE-2019) December 6th-7th 2019. PP: 225-229, **ISBN: 978-93-88808-45-3.**