



MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

(Autonomous Institution-UGC, Govt. of India)

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

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AAA+ Rated by Careers 360 Magazine, National Ranking-Top 100 Rank band by Outlook

ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATIONS FOR THE ACADEMIC YEAR 2021-2022

Dr. P. Balakrishnan

Journals:

SCI:

1. **“Lung Cancer Detection and Improving Accuracy Using Linear Subspace Image Classification Algorithm”**. Interdisciplinary Sciences: Computational Life Sciences. 2021 Dec; 13(4):779-86.
2. **“A Prognostic Energy Optimization Technique with unified power quality conditioner for energy stabilization in grid system”**. Computers & Electrical Engineering. 2021 Sep 1; 94:107360.

International / National Conferences:

1. **“Wavelet and Intelligent Technique Based Transmission Line Fault Detection, Classification and Location”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 23-30, **ISBN: 978-93-90631-95-7**.

Dr. N. Vengadachalam

Journals:

SCI:

1. **“N. A novel revolutionary substantial transformative control technique for solar fed-full bridge converter based energy stabilization for grid connected applications”**. Bulletin of the Polish Academy of Sciences: Technical Sciences.e140517.

International / National Conferences:

2. **“Wavelet and Intelligent Technique Based Transmission Line Fault Detection, Classification and Location”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 23-30, **ISBN: 978-93-90631-95-7**.

Dr. S. Vijaya Madhavi

Journals:

SCOPUS:

1. **“Implementation of Controller for High Efficiency DC-DC Converter Applicable in Fuel Cells”**, International Journal of Ambient Energy, Taylor & Francis, 2022.

International / National Conferences:

1. **“Addressing Load Frequency Control In Multi Area Deregulated Power System Using Discrete Sliding Mode Observer Based Optimal Controller”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 299-306, **ISBN: 978-93-90631-95-7.**

Dr. R. Velmurugan

International / National Conferences:

1. **“Wavelet and Intelligent Technique Based Transmission Line Fault Detection, Classification and Location”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 23-30, **ISBN: 978-93-90631-95-7.**

Dr. A. Ganga Dinesh Kumar

International / National Conferences:

1. **“Addressing Load Frequency Control In Multi Area Deregulated Power System Using Discrete Sliding Mode Observer Based Optimal Controller”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 299-306, **ISBN: 978-93-90631-95-7.**

Mr. N. Raveendra

UGC/Others:

1. **“Power Quality Enhancement Using ORNN Based DSTATCOM with Multilevel Inverter”**. IOSR Journal of Electrical Engineering, 16(5), 21-37.

International / National Conferences:

1. **“TLBO Tuned PI Controller Based STATCOM for PQ Improvement in a Distribution System”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th

2022. PP: 138-142, ISBN: 978-93-90631-95-7.

Mrs. S. Swathi

International / National Conferences:

1. **“Optimal Allocation of Distributed Generation In Distribution Network Using ACSA”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 69-73, ISBN: 978-93-90631-95-7.

Mr. V. Naresh

International / National Conferences:

1. **“Active Power Improvement Using Custom Power Devices and Renewable Energy Sources”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 44-50, ISBN: 978-93-90631-95-7.
2. **“Improvement of Power Quality In Solar Distribution Power Generation Using DSTACOM”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 89-93, ISBN: 978-93-90631-95-7.

Mr. N. Saida Rao

International / National Conferences:

1. **“Improvement of Power Quality by Using Ultra Capacitor Energy Storage System”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 272-277, ISBN: 978-93-90631-95-7.

Mrs. P. Radhika

International / National Conferences:

1. **“Power Quality Improvement in Grid Connected Wind Energy Conversion Systems by Using Custom Power Device”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022),

January 28th-29th 2022. PP: 272-277, ISBN: 978-93-90631-95-7.

Mr. A. Ravi Kumar

International / National Conferences:

1. “**Inertia Control of Virtual Synchronous Generator with Different Adaptivity Methods**” in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 112-116, ISBN: 978-93-90631-95-7.

Mr. V. Brahmam Yadav

International / National Conferences:

1. “**Active Power Improvement Using Custom Power Devices and Renewable Energy Sources**” in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 44-50, ISBN: 978-93-90631-95-7.

Mrs. C. Prasanna Kumari

International / National Conferences:

1. “**Power Quality Improvement in Grid Connected Photo Voltaic System by THD Reduction**” in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 103-107, ISBN: 978-93-90631-95-7.

Mrs. G. Sravani

International / National Conferences:

2. “**Power Quality Improvement in Grid Connected Photo Voltaic System by THD Reduction**” in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 103-107, ISBN: 978-93-90631-95-7.

Mrs. I. Rohini

International / National Conferences:

1. “**Control of Grid-Connected PV Inverters Using Sliding Mode Controller**” in 7th International Conference on "Signal Processing, Communications and System

Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 132-137, **ISBN: 978-93-90631-95-7.**

Mrs. K. Kundana Kumari

International / National Conferences:

1. **“An Efficient Multilevel Level Inverter with Low Total Harmonic Distortion”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 152-157, **ISBN: 978-93-90631-95-7.**

Mr. M Upender Reddy

International / National Conferences:

1. **“Optimal Allocation of Distributed Generation In Distribution Network Using ACSA”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 69-73, **ISBN: 978-93-90631-95-7.**

Mrs. P Sreelatha

International / National Conferences:

1. **“Control of Grid-Connected PV Inverters Using Sliding Mode Controller”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 132-137, **ISBN: 978-93-90631-95-7.**

Mr. Kumara Swamy

International / National Conferences:

1. **“Improvement of Power Quality by Using Ultra Capacitor Energy Storage System”** in 7th International Conference on "Signal Processing, Communications and System Design" (ICSPCOMSD-2022), January 28th-29th 2022. PP: 272-277, **ISBN: 978-93-90631-95-7.**