

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN



Autonomous Institution, UGC, Govt. of India
Accredited by NBA & NAAC with 'A' Grade UGC, Govt. of India
NIRF Indian Ranking, Accepted by MHRD, Govt. of India
Band- Excellent National Ranking by ARIIA, Accepted by MHRD, Govt. of India
Ranked as Top Engineering Colleges of Eminence in India 2022-CSR Ranking
Affiliated to JNTUH, Approved by AICTE, ISO 9001:2015 Certified Institution
Maisammaguda, Dhulapally, Secunderabad, Kompally-500100

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PUBLICATIONS FOR ACADEMIC YEAR 2022-2023

1. J. Shailu, M. Nikitha, Y. Vyshali, "**Grid-Interfaced PV Driven Rechargeable Vehicle Battery System with Novel Adaptive Digital Control Algorithm**", Parishodh Journal, ISSN NO:2347-6648, Volume XI, Issue XI, November/2022, Page No: 25-33
2. B.Keerthana, K. Yamini, B.Sravani, "**Multiport Converter based EV Charging Station with PV and Battery**", Parishodh Journal, ISSN NO:2347-6648, Volume XI, Issue XI, November/2022, Page No: 34-38
3. M. Ruchitha, A. Siri, B. Niharika, Ch. Vyshnavi, "**Solar Powered BLDC Motor with Artificial Neural Network Controller**", Parishodh Journal, ISSN NO:2347-6648, Volume XI, Issue XI, November/2022, Page No: 39-44
4. D.Lavanya, G.Laharika, J.Manasa, "**Reactive Power Compensation Using Capacitor-Less DSTATCOM**", Parishodh Journal, ISSN NO:2347-6648, Volume XI, Issue XI, November/2022, Page No: 45-54
5. N. Shravani, S. Srividhya, B. Keerthi, "**Switch Process Based on Boundary Round Oscillator-FLL for UPQC-S with Optimized PI Gains**", Parishodh Journal, ISSN NO:2347-6648, Volume XI, Issue XI, November/2022, Page No: 55-66

6. Ch. Yamini, M. Mounika, N. Drakshayani, "**Design of Energy-Saving Driver Circuit LED Using Flyback Converter**", Parishodh Journal, ISSN NO:2347-6648,Volume XI, Issue XI, November/2022,Page No: 67-72
7. E.Sanjana Sai, G. Aishwarya, T. Ramyasri, "**Grid-Connected Wind-Photovoltaic Cogeneration Using Back-To-Back Voltage Source Converters**", Parishodh Journal, ISSN NO:2347-6648,Volume XI, Issue XI, November/2022,Page No: 73-85
8. Anku Kumari, M. Ameena, B.Sindhu, "**High Speed Switched Reluctance Motor for Automotive Applications**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945,Volume XIV, Issue XI, November/2022,Page No: 296-305
9. S.Anusha, M. Akhila, V.Prasanna, "**Modelling and Simulation of Microgrid Power System Including a Hybrid Energy Storage System**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945,Volume XIV, Issue XI, November/2022,Page No: 306-318
10. B.Harshitha, B.Sreeya, G.Varshitha, "**PV Based Off Board Electric Vehicle Battery Charger**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945,Volume XIV, Issue XI, November/2022,Page No: 319-326
11. B.Kundana, B Naga Ankitha, S Sai Eswari, "**Power Factor Correction using SEPIC DC-DC Converter in Industrial Motor Drives**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945,Volume XIV, Issue XI, November/2022,Page No: 327-333
12. D.Kousalya, G.Sai Spandana, M.Pavitra, "**Cascaded Multi-Level Inverter for Grid Integration of Solar System**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945,Volume XIV, Issue XI, November/2022,Page No:333-345

13. D. Sai Sudha, G . Aarthi, K. Vasavi, "**Steadiness Enhancement of DC Supremacy Arrangements in an All-Rechargeable Ship Using Hybrid SMES/Battery**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945, Volume XIV, Issue XI, November/2022, Page No:346-354
14. M.Deepthi, T. Archana, Sr.Sruthi Priya, "**An Efficient and High Gain Switched-Capacitor Based Multi-Level Inverter**", Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945, Volume XIV, Issue XI, November/2022, Page No:355-360.
15. K.Priyanka, K.Subbalakshmi, S.Druvi, "**Modelling and Simulation of Step-Up Switched Capacitor Voltage Balancing Converter for NPC Multilevel Inverter-Based Solar PV System**", The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:864-872
16. K.Sowbhagya Lakshmi, R.Yochana, V. Naga Sushma, "**Control of a Bidirectional Z-Source Inverter for Electric Vehicle Applications in Different Operation Modes**", The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:873-881
17. D. Pravitha, M. Supriya, T. Mamatha, "**Fuzzy Logic based Wind Turbine Driven DFIG Interfaced to Utility Grid**", The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:882-886
18. P.Sharmila, S. Akanksha, S. Ramya Manasa, "**Fuzzy based Unified Control and Power Management Scheme for PV Battery based Hybrid Micro Grids for both Grid Connected and Islanded Modes**", The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:887-892

19. M. Chandana, M. Hima Bindu, V. Navya Sri, "**Advanced Voltage Support and Active Power Flow Control in Grid Connected Voltage Source Converters under Unbalanced Conditions**", The International journal of analytical and experimental modal analysis,ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:893-904
20. B. Tulasi, B. Ashritha, K. Sai Shivani, "**Design and Implementation of an Efficient Inductive Power Transfer Topology for Electric Vehicle Battery Charging**", The International journal of analytical and experimental modal analysis,ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:905-913
21. Sandhya, J.Ashwini, K.Niharika, "**ANFIS based Torque Control of Switched Reluctance Motor**", The International journal of analytical and experimental modal analysis,ISSN NO: 0886-9367, Volume XIV, Issue XI, November/2022, Page No:914-920

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