



Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

(Accredited by NBA)

FACULTY PUBLICATIONS FOR THE ACADEMIC YEAR 2021-2022

S. No	Names of the Author	Title of the Paper (Domain)	Journal	Year & Month of Publication	Vol. No., Issue No. and pg. nos.	ISSN No /ISBN No/Digital Object Identifier (DOI)
1	Dr.C. N. Ravi	Optimization of passive filter components through active filtering of current ripple reduction in an inverter (PE in PS)	International Journal of Power Electronics and Drive Systems	2022& March	ISSN: 2088-8694, pp298-308	https://DOI:10.11591/ijpeds.v13.i1
2	Dr. A. Srujana	Power Quality Enhancement in a Distributed Energy Resources System with PSO Based Novel Controller (PE in PS)	International Journal of Mechanical Engineering	2021& December	Vol. 6 No. 3, ISSN: 0974-5823, pgno: Pgeno:1694-1702	https://kalaharijournals.com/resources/doc_212.pdf
3	Dr. A. Srujana	Integrated Renewable Energy Sources for the minimization of Emission and Economic Operation of Power System (RES)	International Journal of Aquatic Science	2021&June	Vol 12, Issue 03, 2021	http://www.journal-aquaticscience.com/article_134358.html
4	Dr. A. Srujana	Maximum power point tracking optimization and harmonics distributions control on PV systems (RES)	IT in Industry	Aug-21	Vol 9, No 3, 876-884	maximum power point tracking optimization and harmonics distortions control on pv systems information technology in industry (it-in-industry.org)



Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

(Accredited by NBA)

5	Mrs.V. Vijaya Lakshmi	Hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell/Battery (RES)	IT in Industry	Aug-21	Vol 9, No 3, 891-900	hybrid distributed power distribution system with an integrated three port converter for photovoltaic cell /battery information technology in industry (it-in-industry.org)
6	Mr.M.Vijay Kumar	Power Quality Improvement For Wind Large Scale Integration With Multi Frequency Oscillations With Measured (PE in PS)	IT in Industry	Aug-21	Vol 9, No 3, 901-909	tps://www.it-in-industry.org/index.php/itii/article/view/752
7	Mr. T. Parameshwar	Implementation of the electrical spring for enhancing the power quality in PV based DC grid (RES)	IT in Industry	Aug-21	Vol 9, No 3, 885-890	implementation of the electrical spring for enhancing the power quality in pv based dc grid information technology in industry (it-in-industry.org)
8	Dr.A.Srujana,	Solving constrained economic electrical energy generation and CO2 emission dispatch using hybrid algorithm (PE in PS)	Environmental Technology & Innovation	29-Sep-21		doi: https://doi.org/10.1016/j.eti.2021.101999
9	K. Swapna	Survival Study on Bidding Strategy for Microgrid Interfaced Distributed Renewable Energy Sources (RES)	Institute of Electrical and Electronics Engineers (IEEE) - ASIANCON, PUNE	Aug-21	978-1-7281-8403-6	https://doi.org/10.1109/asiancon51346.2021.9544891



Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

(Accredited by NBA)

10	Dr.A.Srujana , A. Srilatha, Mr. S. Suresh	Electric Vehicle Battery Modelling and Simulation Using MATLAB-Simulink (EV)	Turkish Journal of Computer and Mathematics Education	April 2021 SCOPUS	4604-4609	https://doi.org/10.17762/turcomat.v12i3.1853
11	Abirami, P., Ravi, C.N	Load flow analysis of 10 bus loop distribution network excited by a generator simulated using open modelica editor (PE in PS)	International Journal of Power Electronics and Drive Systems	2021 SCOPUS	12(2), pp. 1006–1014	http://doi.org/10.11591/ijpeds.v12.i2.pp1006-1014
12	K.Haritha, L.Raju	Converging Offshore wind energy difficulties (RES)	International Journal of Aquatic Science	July & 2021	ISSN 2008-8019, Vol 12.Issue 3	http://www.journal-aquaticscience.com/article_134068_8c81e3024aeef9cbadf7492eccc1299d.pdf
13	Mrs. S. Chaitanya	Renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling (RES)	IT in Industry	Aug-21	Vol 9, No 3, 863-875	renewable energy optimization with implementation of multiple objective optimization algorithm based on load scheduling information technology in industry (it-in-industry.org)
14	Dr. A. Srujana	DFIG fault detection and control strategies for optimal generation of large renewable power plants (RES)	IT in Industry	Aug-21	Vol 9, No 3, 848-862	dfig fault detection and control strategies for optimal operation of large renewable power plants information technology in



Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

(Accredited by NBA)

						industry (it-in-industry.org)
15	S.Chaitanya, S.Suresh	Power Factor Correction Method Using PFC BOOST Converter For Non-Linear Loads (PE in PS)	International Journal Of Creative Research Thoughts – IJCRT	June 2021 UGC	Volume 9, Issue 6 J	https://ijcrt.org/papers/ijcrt2106459.pdf
16	A. Mohandas	A Diode Clamped Potential Balancing Method For Z-Source (PE in PS)	International Journal of Research Publication and Reviews	Jul-21	Vol (2) Issue (7)	https://www.ijrpr.com/uploads/v2issue7/ijrpr667.pdf
17	A. Mohandas	A Nearest Level Control Technique for an Asymmetric Source Configuration of Multi-Level Inverter Topology (PE in PS)	International conference NIT Kurukshetra	December-21	Vol. 14, No. 3, 2022, pp. 1-9	DOI: http://dx.doi.org/10.4314/ijest.v14i3.1S
18	Dr.K.Raghavaiah	Design and Comparative Analysis of Controllers Implemented to Hybrid Energy Storage System Based Solar-powered Electric Vehicle (RES)	IETE Journal of Research	June 2021.	Page no: 1-23	DOI: 10.1080/03772063.2021.1941328