

**A. JOURNAL**

<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Title of Paper</b>	<b>Volume /Issue ISSN/ISBN/DOI</b>	<b>Details of Journal</b>	<b>Indexing (Web of Science/Scopus /UGC Care/Peer Reviewed)</b>
<b>Assessment Year CAY (2022-23)</b>					
1	Prof. Radharaman Shaha	BMOTSM: design of a hybrid bioinspired model to determine optimal turbine sizing for capacity maximisation in environment-and-economy aware deployments	2023, VOL. 42, NO. 1, 1–16 <a href="https://doi.org/10.1080/14786451.2023.2168001">https://doi.org/10.1080/14786451.2023.2168001</a>	International Journal of Sustainable Energy	SCIE(Taylor & Francis)
2	Prof. Radharaman Shaha	GRMWBO: design of a general-purpose repowering model for wind farms via bioinspired optimization	<a href="https://doi.org/10.1007/s43538-023-00150-4">https://doi.org/10.1007/s43538-023-00150-4</a>	Proceedings of the Indian National Science Academy	SCIE(Springer)
3	Prof. Vaishali Malekar	Transmission line Three-Phase Fault Analysis Using Matlab Simulink	ISSN: 2321-9653 Volume 10 Issue VII	International Journal for Research in Applied Science & Engineering Technology (URASET)	Peer Reviewed
4	Prof. Pratik Ghutke	Matlab modelling and simulation of reconfigurable solar converter: a single-stage power conversion pv-battery system.	Vol. 12 Issue 4, p30-36. 7p.	Journal on Electrical Engineering	Peer Reviewed
5	Prof. Pratik Ghutke	Dual power generation solar plus windmill generator	Volume 4/Issue 05 e-ISSN: 2582-5208	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed

6	Prof. Radharaman Shaha	Improvement of transient stability in a system using a unified power flow controller by artificial neural network	Vol 3, Issue 7 ISSN 2582-7421	International Journal of Research Publication and Reviews	Peer Reviewed
7	Prof. Pratik Ghutke	Wind Tree Power Generation	June 22, 2022	Easy Chair Preprint	Peer Reviewed
8	Prof. Sneha Tibude	Comparative Analysis Different Topologies of Grid-tied Transformer Less Inverters for Photovoltaic system	ISSN (Online) 2581-9429 Volume 2, Issue 6	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Peer Reviewed
9	Prof. Sneha Tibude	Comparative analysis Different Topologies of Grid-tied Transformer less Inverters for Photovoltaic System	e-ISSN: 2278 – 8875 Volume 11, Issue 7	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	Peer Reviewed
<b>Assessment Year CAY m1 (2021-22)</b>					
1	Dr. Prashant Thakre	A Novel Method for Implementing MPPT Based Photovoltaic Closed Loop Flyback Inverter with Stm32f407vg Controller Using Waijung Tool	Volume 70 Issue 8, August 2022 ISSN: 2231 – 5381 / <a href="https://doi.org/10.14445/22315381/Ijett-V70i8p220">https://doi.org/10.14445/22315381/Ijett-V70i8p220</a>	International Journal of Engineering Trends and Technology	Scopus Indexed
2	Dr. Prashant Thakre	Simulation Based Comparative Analysis of Matrix and Bridge Converter Fed Single Phase	Volume 65, Issue 7, 2021, Pp111-114	Journal of Scientific Research (JSR), Banaras Hindu University	UGC Care

		Induction Motor Drive Using Dtcwith Pv Input			
3	Dr. Prashant Thakre	Modeling of Maximum Power Point Tracking Based Photovoltaic Open Loop Flyback Inverter Using Sinusoidal Pulse Width Modulation Technique For Performance Improvement	July 2022, IEEE Xplore Isbn:978-1-6654-1120-2	IEEE Xplore	Scopus Indexed
4	Prof. Sneha Tibude	Study And Simulation of Ac/Dc Microgrid With Wind And Solar Energy Source	Volume Xiv, Issue I, February/2022 ISSN No:0886-9367	The International Journal of Analytical and Experimental Modal Analysis	UGC Care
5	Prof. Sneha Tibude	Improvement In Power Quality of Grid Connected PV & Wind Power Generation System	Volume 10 Issue Feb 2022 ISSN: 2321-9653; Value: 45.98; Impact Factor: 7.538	International Journal For Research In Applied Science & Engineering Technology (IJRASET)	Peer Reviewed
6	Prof. Sneha Tibude	Study and improvement in Power quality of grid Connected hybrid PV-wind system	Volume:04/Issue:05 /May-2022 E-ISSN: 2582-5208 Impact Factor-6.752	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
7	Prof. Sneha Tibude	Review on Novel Transformer Less Grid Connected Inverter Using PV System	Volume 2, Issue 5, May 2022 ISSN (Online) 2581-9429 DOI: 10.48175/IJARSC T-4105	International Journal of Advanced Research In Science, Communication And Technology (IJARSCT)	Peer Reviewed

8	Prof. Sneha Tibude	Study And Simulation of AC/DC Microgrid With Wind and Solar Energy Source	Volume 8, Issue 07, July 2022 ISSN: 2455-3778 Online DOI:Https://Doi.Org/10.46501/IJMTST0807021	International Journal for Modern Trends in Science and Technology	Peer Reviewed
9	Prof. Sneha Tibude	Power Quality Improvement by Using STATCOM Control Scheme in Wind Energy Generation Interface to Grid	Volume 10, Issue 5 June 2022 ISSN: 2320-2882 7.37 Impact Factor	International Journal of Creative Research Thoughts (IJCRT)	Peer Reviewed
10	Prof. Sneha Tibude	Power Quality Improvement by Using STATCOM Control Scheme in Wind Energy Generation Interface to Grid	Volume 9, Issue 4 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
11	Prof. Sneha Tibude	Comparative Analysis PI and Sliding Mode Control for Transformer Less Grid Connected Inverter using PV System	Volume 11, Issue 7, July 2022 ISSN-2278-8875	International Journal of Advanced research in Electrical, Electronics and Instrumentation Engineering	Peer Reviewed
12	Prof. Sneha Tibude	Voltage Sag Enhancement of Grid Connection Hybrid PV-Wind Power System	Volume 9, Issue 4 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
13	Prof. Ashvini Admane	Industrial load management using pic Icrocontroller and gsm	Volume:03/Issue:09 /September-2021 E-ISSN: 2582-5208	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
14	Prof. Vipin Muley	Power quality improvement by using STATCOM control scheme in wind energy Generation interface to grid	Volume 8, Issue 12 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed

15	Prof. Vaishali Malekar	A new PV Open UPQC Configuration for voltage sensitive loads utilizing novel adaptive controllers	Volume 13, Issue 12 ISSN-0886-9367	International Journal of analytical and experimental modal analysis	UGC Care
16	Prof. Vaishali Malekar	Matlabsimulink in three phase fault analysis in transmission line	Volume 14, Issue 1 ISSN-0886-9367	International Journal of analytical and experimental modal analysis	UGC Care
17	Prof. Pratik Ghutke	An Automated Irrigation System for Efficient Water Utilization in the Indian Agriculture System	Issue: 1   Pages: 296 – 310 ISSN: 0011-9342   Year 2022	Design Engineering	Scopus
18	Prof. Ganesh Wakte	Feed-forward neural network based nodal pricing in Deregulated power system	Vol. 54 ISSN: 0367-6234 Iss. 4 2022	Journal of Harbin Institute of Technology	Scopus
19	Prof. Ganesh Wakte	Evaluation of Generation and Transmission Asset on Nodal Prices in Electricity Markets	Issue: 7   Pages: 16154 – 16164 ISSN: 0011-9342   Year 2021	Design Engineering	Scopus
20	Prof. Ganesh Wakte	Voltage Quality Based Electricity Nodal Pricing in Deregulated Power System	Vol. 14, No. 1, (2021), pp. 2213-2219 ISSN: 2005-4262 IJGDC	International Journal of Grid and Distributed Computing	Web of Science
21	Prof. Sneha Tibude	Study and Simulation of AC/DC Microgrid with Wind and Solar Energy Source	Volume 8, Issue 7, July 2022, Pages 147-152 ISSN Online: 2455-3778 DOI: <a href="https://doi.org/10.46501/IJMTST0807021">https://doi.org/10.46501/IJMTST0807021</a>	International Journal for Modern Trends in Science and Technology	Peer Reviewed
22	Prof. Ashvini Admane	Smart Energy meter with load control using IOT	Volume 4 , issue 5. E-ISSN: 2582-5208	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed

23	Prof. Pratik Ghutke	An Immersive Approach towards Sustainable Farming	ISBN 978-1-80356-210-0	Irrigation and Drainage- Recent Advances, Publisher- Intech Open, , Book edited	WOS Indexed
24	Prof. Radharaman Shaha	SSR Mitigation with a New Control of PV Solar Farm as STATCOM (PV-STATCOM)	ISSN-2349-5162	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
25	Prof. Praful Ghadge	Arduino based accident prevention with power Generation by using speed breaker	Volume:04/Issue:05 /May-2022	International Research Journal of Modernization in Engineering Technology	Peer Reviewed
26	Prof. Praful Ghadge	Automatic railway track crack detecting robotic vehicle	Volume:04/Issue:05 /May-2022	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
27	Prof. Ashvini Admane	Solar air cooler	e-ISSN: 2582-5208 Volume 3/Issue 8	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
28	Prof. Ashvini Admane	Electricity Generation by Roof Top Ventilator	Volume 5, Issue 18, June 2022	International Journal of Research in Engineering, Science and Management	Peer Reviewed
29	Prof. Radharaman Shaha	Hybrid power generation using bladeless windmill (wind and solar)	Volume 4/Issue 05 e-ISSN: 2582-5208	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
30	Prof. Praful Ghadge	Optimization of solar energy using mppt techniques	Volume 4/Issue 05 2022	International Research Journal of Modernization In Engineering Technology And Science (IRJMETS)	Peer Reviewed

31	Prof. Radharaman Shaha	Design of Smart grid of Wind power plant by Matlab/Simulink using PSO	ISSN: 2455-3778 8(06):27-32, 2022	International Journal for Modern Trends in Science and Technology, 8(06):27-32, 2022	Peer Reviewed
32	Prof. Radharaman Shaha	Comparative Analysis of Optimization Techniques in Wind Farm Layout Optimization	ISSN NO:0886-9367 Volume XIV, Issue II, February/2022	The International journal of analytical and experimental modal analysis	Peer Reviewed
33	Prof. Radharaman Shaha	Controller for Wind Energy Conversion System using Whale Optimization Algorithm	ISSN NO:0886-9367 Volume XIV, Issue II, February/2022	The International journal of analytical and experimental modal analysis	Peer Reviewed
34	Prof. Radharaman Shaha	A Comprehensive Review on Transmission Line Fault Detection and Location using Synchrophasors	7(11): 138-142, 2021 ISSN: 2455-3778 online	International Journal for Modern Trends in Science and Technology	Peer Reviewed
35	Prof. Radharaman Shaha	Controller for Wind Energy Conversion System using Whale Optimization Algorithm	Vol 13, Issue 06, June/2022 ISSN NO:0377-9254	Journal of Engineering Sciences	Peer Reviewed
36	Prof. Radharaman Shaha	A review on Simulation of Hybrid Microgrid System with Renewable Energy Sources	Volume 10 Issue VI ISSN: 2321-9653	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Peer Reviewed
37	Prof. Radharaman Shaha	Hybrid power generation using bladeless windmill (wind and solar)	Volume:04/Issue:05 /May-2022 Volume:04/Issue:05 /May-2022	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
38	Dr. Pratik Ghutke	Design and Simulation of Solar PV DC Microgrid for Rural Electrification	ISSN: 2321-9653 Volume 9, Issue VI,	International Journal for Research in Applied Science & Engineering Technology	Peer Reviewed

## Assessment year CAY m2 (2020-21)

Assessment year CAY m2 (2020-21)					
1	Prof. Vaishali Malekar	Implementation and analysis of steady state behavior and Transient stability enhancement of power stabilizer by Using progressive integral pid controller	Volume 7 Issue 12 , December-2020 (ISSN : 2349-5162)	Journal of Emerging Technologies and Innovative Research	Peer Reviewed
2	Dr. Pratik Ghutke	Real-Time Implementation of an Automated Irrigation System for Effective Water Application to Improve Productivities of the Crop in India	Volume 101 Number 3 ISSN 2250-2149 DOI 10.1007/s40030-020-00451-7	Journal of The Institution of Engineers (India): Series A Civil, Architectural, Environmental and Agricultural Engineering	Springer Publication
3	Prof. Sneha Tibude	Active and Reactive Power Control for Solar and Wind Energy Sources Connected Grid	Volume 5, Issue 5, May 2020 ISSN (Online) 2581-9429	International Journal of Advanced Research in Science & Technology (IJARST)	Peer Reviewed
4	Prof. Sneha Tibude	Design a Simulation of Power Systems Stability in Presence of Photovoltaic Systems	Volume 8 Issue VIII Aug 2020 ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Peer Reviewed
5	Prof. Sneha Tibude	Design a Simulation of Power Systems Stability in Presence of Photovoltaic Systems	VOLUME: 07 ISSUE: 08   AUG 2020 E-ISSN: 2395-0056	International research journal of engineering and technology (IRJET)	Peer Reviewed
6	Prof. Sneha Tibude	A Family of Single Stage Buck Boost Inverter for PV Application	Volume: 07 Issue: 09   Sep 2020 e-ISSN: 2395-0056	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed



7	Prof. Sneha Tibude	STATCOM Based Power Quality Improvement of Hybrid System	Volume 8 Issue 6 , June-2021 ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor	Journal of Emerging Technologies and Innovative Research	Peer Reviewed
8	Prof. Sneha Tibude	New Bidirectional Intelligent Semiconductor Transformer for Smart Grid Application	Volume 8 Issue 6 , June-2021 ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor	Journal of Emerging Technologies and Innovative Research	Peer Reviewed
9	Prof. Sneha Tibude	Design and analysis of grid connected PV system using Transformerless inverter with virtual dc bus concept	Volume 8 Issue 6 , June-2021 ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor	Journal of Emerging Technologies and Innovative Research	Peer Reviewed
10	Prof. Sneha Tibude	Design Analysis and Modification of Novel AC AC Converter for Circuit Breaker Testing	Volume 3, Issue 6, pp: 2527-2537 ISSN: 2395-5252	International journal of Advances in Engineering and Management (IJAEM)	Peer Reviewed
11	Dr. Pratik Ghutke	Real-Time Implementation of an Automated Irrigation System for Effective Water Application to Improve Productivities of the Crop in India	ISSN 2250-2149 Volume 101 Number 3 DOI 10.1007/s40030-020-00451-7	Journal of The Institution of Engineers (India): Series A Civil, Architectural, Environmental and Agricultural Engineering	Springer

12	Prof. Vaishali Malekar	Implementation and analysis of steady state behaviour and Transient stability enhancement of power stabilizer by Using progressive integral PID controller	Volume 7 Issue 12 ISSN : 2349-5162	Journal of Emerging Technologies and Innovative Research	Peer Reviewed
13	Prof. Vaishali Malekar	Real time implementation of model predictive control on 7 level PACKEDU- CELL inverter	Volume 7, Issue 12, December 2020	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
14	Prof. Vaishali Malekar	Neural Network Based MPPT Controller with Boost Converter for Fuel Cell Based Electric Vehicle Applications	Volume 7, Issue 12, December 2020.	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
15	Prof. Vaishali Malekar	Design and Implentation of Optimal electric spring for stability and voltage regulation in distribution networks	Volume 7, Issue 12, December 2020	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
16	Prof. Vaishali Malekar	Power Electronics Based Energy Management System with Storage	Volume 7, Issue 12, December 2020.	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed

17	Prof. Pratik Ghutke	Smart Grid Power Quality Improvement Using Modified UPQC	Volume: 07 Issue: 08 Aug 2020 e-ISSN: 2395-0056 p-ISSN: 2395-0072	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
18	Prof. Ganesh Wakte	IOT based garbage bin level inspection system	e-ISSN: 2582-5208 Volume 4/Issue 05	International Research Journal of Modernization in Engineering Technology and Science	Peer Reviewed
19	Prof. Radharaman Shaha	A review on charging methodology for electric vehicles	Volume 8, Issue 11 November 2020 ISSN: 2320-2882	International Journal of Creative Research Thoughts (IJCRT)	Peer Reviewed
20	Prof. Radharaman Shaha	Hybrid Solar and Wind Power Generation with Grid interconnection for Power Quality Improvement	(ISSN-2349-5162) Volume 7, Issue 12	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
21	Prof. Pratik Ghutke	The Usage of IoT and far off Sensor Associations and their Application in Horticulture for the Improvement of Yield	DOI: <a href="https://doi.org/10.21203/rs.3.rs-397833/v1">https://doi.org/10.21203/rs.3.rs-397833/v1</a>	Springer- Wireless Personal Communications	Springer Publication

22	Prof. Pratik Ghutke	Design & Analysis of Wound Rotor Induction Motor Drive using Slip Power Recovery Scheme with Inverter Control for ID Fan in Power Plant	e-ISSN: 2395-0056 Volume: 07 Issue: 08	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
23	Prof. Pratik Ghutke	Review on Harmonic Domain Modeling of PV System for the Assessment of Grid Integration Impact	Volume 8. Issue 3	Global Journal of Engineering Design & Technology	Peer Reviewed
24	Prof. Pratik Ghutke	Design And Performance Analysis Of Artificial Neural Network By Using Three Phase Solar Pv Integrated Upqc	E-ISSN:1936-7317 V26 , Num 06,	Advanced Science Letters	Peer Reviewed

**Assessment year CAY m3 (2019-20)**

1	Prof. Pradnya Parate	Active & Reactive Power Control Using Solar & Wind Energy Sources	Vol. 05 Special Issue 01 ISSN: 2456-236X	International Journal of Interdisciplinary Innovative Research & Development (IJIIRD)	Peer Reviewed
2	Prof. Ruchi Sakhare	Induction Motor Protection Unit	ISSN €: 2250-3021, ISSN (p): 2278-8719	IOSR Journal of Engineering 2019	Peer Reviewed
3	Prof. Pradnya Parate	Active And Reactive Power Control Using Renewable Energy Sources	ISSN €: 2250-3021, ISSN (p): 2278-8719	International Conference on Management Practices, Innovations & Research 2019	Peer Reviewed

4	Prof. Ganesh Wakte	Power Quality Improvement in Solar PV and Wind based Energy Sources	EISSN: 1936-7317 Volume 26, Number 06	Advanced Science Lerrers	UGC Care
5	Prof. Vaishali Malekar	Modeling and Simulation of Unified Series Shunt Compensator for Power Quality Improvement	Vol.3 issue 4 may-June 2019	IJTSRD	Peer Reviewed
6	Prof. Vaishali Malekar	Simulation of Unified Series-Shunt Compensator for Power Quality Improvement	pp 92-98, 2019.	IOSRJEN	Peer Reviewed
7	Prof. Ashwini Admane	Analysis and Design of Zeta Converter	Vol.4 issue 4 2020	International Journal for Innovation : Research in Multidisciplinary field	Peer Reviewed
8	Prof. Radharaman Shaha	Compensation of Sag and Swell Voltage by using Dynamic Voltage Restorer	Volume:3 Issue: May-Jun 2019 e-ISSN: 2456-6470	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
9	Prof. Chetan Jambhulkar	Food Serving Machine	ISSN €: 2250-3021, ISSN (p): 2278-8719 PP 01-03	IOSR Journal of Engineering (IOSRJEN)	Peer Reviewed
10	Prof. Pradnya Parate	Active And Reactive Power Control Using Renewable Energy	ISSN €: 2250-3021, ISSN (p): 2278-8719 Dec. 2019	IOSR Journal of Engineering (IOSRJEN)	Peer Reviewed
11	Prof. Radharaman Shaha	In Phase Compensation of Sag and Swell Voltage by using Dynamic Voltage Restorer	Volume 6   Issue 2   Print ISSN: 2395-1990	International Journal of Science Engineering and Technology	Peer Reviewed
12	Prof. Radharaman Shaha	Voltage regulation using DSTATCOM in distribution grid for enhancement of power quality	Volume 7, Issue 12 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed

13	Prof. Radharaman Shaha	Improvement of Power Quality in Distribution System Using Photovoltaic Based DPFC	Volume 7, Issue 12 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
14	Prof. Radharaman Shaha	Hybrid Solar and Wind Power Generation with Grid interconnection for Power Quality Improvement	Volume 7, Issue 12 (ISSN-2349-5162)	Journal of Emerging Technologies and Innovative Research (JETIR)	Peer Reviewed
15	Prof. Radharaman Shaha	MPPT Based Photovoltaic System with Zeta Converter for DC Load	Volume: 07 Issue: 02 e-ISSN: 2395-0056	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
16	Prof. Ganesh Wakte	Designing and simulation of multilevel STATCOM on cascaded topology	ISSN: 2277-7881 VOLUME 8, ISSUE 5(3)	International Journal of Multidisciplinary Educational Research	Peer Reviewed
17	Prof. Ganesh Wakte	Design And Simulation of Multilevel STATCOM Using Cascade Topology	e-ISSN: 2395-0056 Volume: 06 Issue: 02	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
18	Prof. Ganesh Wakte	Design and Implementation of Speed Control of Induction Motor using Arduino Based FLC	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
19	Prof. Ganesh Wakte	Design, Simulation and Control of Solar Wind Hybrid Renewable Power System	ISSN(Online): 2319-8753 Vol. 8, Issue 5	International Journal of Innovative Research in Science, Engineering and Technology	Peer Reviewed
20	Prof. Pratik Ghutke	Matlab Modelling And Simulation Of Reconfigurable Solar Converter: A Single-Stage Power	Apr-Jun2019, Vol. 12 Issue 4, p30-36. 7p.	Journal on Electrical Engineering	Peer Reviewed

		Conversion Pv-Battery System			
21	Prof. Pratik Ghutke	Power Upgrading of Transmission Line by Combining AC-DC Transmission and Analysis of UPFC	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
22	Prof. Pratik Ghutke	Implementation of Fuzzy Based Grid-Tied PV System for Single Phase Transformer less Inverter with Charge Pump Circuit Concept	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
23	Prof. Pratik Ghutke	Generalized UPQC System with an Improved Control Method under Distorted and Unbalanced Load Conditions	e-ISSN: 2395-0056 Volume: 06 Issue: 02	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
24	Prof. Pratik Ghutke	Monitoring And Controlling Power using Zigbee Communication	e-ISSN: 2395-0056 Volume: 06 Issue: 05	International Research Journal of Engineering and Technology (IRJET)	Peer Reviewed
25	Prof. Pratik Ghutke	Optimizing Power Ramp Capabilities of PV Systems using Fuzzy MPPT	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
26	Prof. Pratik Ghutke	Compensation of Sag and Swell Voltage by using Dynamic Voltage Restorer	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
27	Prof. Nikita Malwar	Control for Grid Connected and Intentional Islanding of Distributed Power Generation	e-ISSN: 2456 – 6470 Volume: 3   Issue: 4	International Journal of Trend in Scientific Research and Development (IJTSRD)	Peer Reviewed
28	Prof. Nikita	DC Micro grid For	e-ISSN: 2395-0056 Volume: 06	International Research Journal of	Peer Reviewed

	Malwar	Wind and Solar Electric System Power Integration	Issue: 03	Engineering and Technology (IRJET)	
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**B. CONFERENCE**

S.No.	Name of the Faculty	Title of Paper	Date of the Conference	Details of Conference	Venue of the Conference	Indexing (Web of Science/Scopus/UGC Care/Peer Reviewed)
<b>Assessment Year CAY 2022-23</b>						
1	Prof. Radharaman Shaha	Sizing of Wind Turbine for Repowering of Old Wind Farm: A Case Study Based Approach	August 26-27, 2022	6th International Conference on Computing Communication Control & Automation	Pimpri Chichwad College of Engg, Pune	IEEE Conference
2	Prof. Ganesh Wakte	Nodal Pricing in Deregulated Power System by using Feed Forward Neural Network	September 16-17, 2022	AICTE Sponsored Springer International Conference on "Recent Evolutions in Energy, Drives and e-Vehicles (REEDEV-2022)	St. Vincent Pallotti College of Engineering, Nagpur	Springer International Conference
3	Prof. Radharaman Shaha	Pannel Monitoring PV cell and Energy Measuring System	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
4	Dr. Prashant Thakre	Co-workinf of Solar Pannel and wind Energy in EV	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed



5	Prof. Nikita Malwar	Embedded System Based Submersible Motor Control Agriculture Irrigation Using GSM	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
6	Prof. Vaishali Malekar	Smart Road safety and Vehicle Accident prevention system for Mounted Road	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
7	Prof. Ganesh Wakte	Vehicle Theft Security using GSM Base Ultrasonic Sensor	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
8	Prof. Chetan Jambhulkar	IoT Based Intelligent Motor Controller with Battery Monitoring System	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
9	Prof. Praful Ghadge	Photo-Voltaic Inverter	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

10	Prof. Kishor Dhore	PLC & SCADA Based Automation of Industrial Reverse Osmosis Desalination Plants	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
11	Dr. Pratik Ghutke	Design and fabricated of High Wind Turbine and its Application	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
12	Prof. Sneha Tibude	Design and Fabrication of Hardware Prototype of single phase PWM Inverter	22 <sup>nd</sup> -23 <sup>rd</sup> December 2022	9 <sup>th</sup> International conference on Disruptive Technology for achieving sustainable development goals (IC-DTSDG-22)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
13	Dr. Pratik Ghutke	An Immersive Approach towards Sustainable Farming Using IoT: A Review	June 24-25, 2022	1st International Conference on Sustainable Materials, Manufacturing & Energy Technologies (SMMET 2022)	Raj Kumar Goel Institute of Technology, Gaziabad	IEEE
S. No.	Name of the Faculty	Title of Paper	Date of Conference	Details of Conference	Venue of the Conference	Indexing (Web of Science/Scopus /UGC Care/Peer Reviewed)

### Assessment Year CAY m1 (2021-22)

1	Dr. Pratik Ghutke	The utilization of IoT and remote sensor organizations	1 <sup>st</sup> – 3 <sup>rd</sup> Oct. 2021	2 <sup>nd</sup> Global Conference for Advancement in Technology	Nagarjuna College of Engg and Tech.	IEEE Conference
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		and their application in agriculture for the improvement of yield productivity in India				
2	Dr. Pratik Ghutke	Artificial Neural network based day ahead nodal Pricing	7 <sup>th</sup> – 8 <sup>th</sup> July, 2021	Emerging trends in Engineering and Technology	Sandip Institute of Engineering and Management	Peer Reviewed
3	Dr. Pratik Ghutke	Three phase fault analysis on transmission line in Matlab Simulink	7 <sup>th</sup> – 8 <sup>th</sup> July, 2021	Emerging trends in Engineering and Technology	Sandip Institute of Engineering and Management	Peer Reviewed
4	Dr. Prashant Thakre	Improvement of VSC Based STATCOM Performance using multiphase modulation technique for better voltage regulation	8 <sup>th</sup> - 9 <sup>th</sup> April, 2022	Innovation and research in technology and Engg	Vasantdada Patil College of Engg. And visual arts, Mumbai	Scopus Indexed
5	Prof. Radharaman shaha	Power Generation Using Bladeless Windmill	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
6	Prof. Praful Ghadge	Optimization of Solar Energy Using MPPT	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

7	Prof. Ashwini Admane	Generation by Roof Top Ventilator	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
8	Prof. Ganesh Wakte	Garbage Bin Level Inspection System	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
9	Prof. Vaishali Malekar	MPPT Technique for Photovoltaic Arrays	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
10	Prof. Sneha Tibude	Hybrid Electric Vehicle Charger	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
11	Prof. Nikita Malwar	Auto Power Supply From Three Different Sources ( Solar Main Generator)	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
12	Dr. Pratik Ghutke	Novel Method for High Power Converter Employing Voltage Mode Control	22 <sup>nd</sup> – 23 <sup>rd</sup> July 2022	Disruptive Technology for Achieving Sustainable Development Goals (IC-DTSDG-22)	Abha Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

S. No.	Name of the Faculty	Title of Paper	Date of the Conference	Details of Conference	Venue of the Conference	Indexing (Web of Science/Scopus/UGC Care/Peer Reviewed)
<b>Assessment Year m2 (2020-21)</b>						
1	Prof. Ganesh Wakte	Power Quality Enhancement	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
2	Prof. Nikita Malwar	Hybrid system using PV cell and wind turbine	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
3	Prof. Vaishali Malekar	Design and Implementation of optimal Electric String for Stability and Voltage Regulation in Distribution Networks	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
4	Prof. Vaishali Malekar	Design and Implementation of optimal Electric String for Stability and Voltage Regulation in Distribution Networks	07-08 July 2021	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
5	Prof. Vaishali Malekar	Power Electronics Based Energy Management System with Storage	07-08 July 2021	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

6	Prof. Radharaman Shaha	Voltage regulation using DSTATCOM in distribution grid for enhancement of power quality	07-08 July 2021	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
7	Prof. Radharaman Shaha	Hybrid Solar and Wind Power Generation with Grid interconnection for Power Quality Improvement	07-08 July 2021	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
8	Prof. Sneha Tibude	Voltage stabilizer using STATCOM	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
9	Prof. Ashwini Admane	Voltage stabilizer for grid connected PV system	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
10	Dr. Pratik Ghutke	Hybridization of battery and Supercapacitor for EV	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

11	Prof. Praful Ghadge	Fault detector in transmission line	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
12	Dr. Prashant Thakre	Voltage Stabilizer using PWM technique	27 <sup>th</sup> -28 <sup>th</sup> November, 2020	International E-Conference on recent trends in machine learning & Artificial Intelligence in the field of Science and Technology	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

S.No.	Name of the Faculty	Title of Paper	Date of the Conference	Details of Conference	Venue of the Conference	Indexing (Web of Science/Scopus /UGC Care/Peer Reviewed)
<b>Assessment Year CAY m3 (2019-20)</b>						
1	Prof. Chetan Jambhulkar	Industrial Electrical Layout by using AUTOCAD	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
2	Prof. Radharam Shaha	Optimizing Wind Farm for Solar PV Generation Using Geographical Information System Tools	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed

3	Prof. Radharam Shaha	GIS based Optimization of Solar PV & Wind Power Hybrid Power System	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
4	Prof. Radharam Shaha	Residual Life Assessment of Solar PV System by Hotspot detection in Solar PV Module	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
5	Dr. Pratik Ghutke	IOT Based Smart Multimeter	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
6	Prof. Ganesh Wakte	Hybrid Electric Vehicle	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
7	Prof. Sneha Tibude	Hybrid Power Generation by Using Solar and Wind Energy	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed



8	Prof. Nikita Malwar	Greenhouse Monitoring and Control System Using IoT	20 <sup>th</sup> & 21 <sup>th</sup> December 2019	AICTE Sponsored International Conference on Management Practices, Innovation and Research	Tulsiramji Gaikwad Patil College of Engineering, Nagpur	Peer Reviewed
9	Prof. Radharam Shaha	Optimizing wind farm for solar PV generation using geographical information system	26 <sup>th</sup> - 27 <sup>th</sup> feb, 2019	Green Energy for sustainable development	Government Polytechnic, Nagpur	Peer Reviewed