

Journal Publications: Department of Electrical Engineering

Title of paper	Name of the author/s	Name of journal	Year of publication	ISBN/ISS N number
Year: 2016-2017				
1. 'Hybrid isolated system with back to back power converter and battery energy storage system.'	Prof. Mr. S. T. Gaikwad, Mr. A. S. Kudalkar., Dr. Y. P. Nerkar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No: 978-81-924990-4-8
2. 'Optimal placement of Distribution Transformers in an urban network using Genetic algorithm with Graphical user interface in MATLAB.'	Prof. Mr. S. T., Gaikwad, P. S. Akotkar., Dr. Y. P. Nerkar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No: 978-81-924990-4-8
3. Modelling and control of a 30kW Hybrid power system connected to Grid.'	Prof. Mr. S. T. Gaikwad, T. R. Pardesi., Dr. Y. P. Nerkar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No: 978-81-924990-4-8
4. 'Study of Microgrid with Grid and International Islanding'	Mr. S. T. Gaikwad, A. M. Mhamane., Dr. Y. P. Nerkar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No: 978-81-924990-4-8
5. 'Optimal Placement of Wind Power Generation in Electric Grid.'	Mr. P. Salunkhe, Prof. M. Bhawalkar, Dr. N. Gopalkrishan, Dr. Y. P. Nerkar	National Journal at Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No. 978-81-924990-4-8
6. ' A Simulation Study of Four Configurations of Brushless Doubly Fed Reluctance Machine'	S. Kunte, Prof.M. P. Bhawalkar, Dr Y. P. Nerkar, Dr. N. Gopalkrishan, Dr. Mrs. G. A. Vaidya	National Journal at The Institution of Engineers (India) Pune, Vol 2	Nov 2016	ISBN No. 978-81-932567-2-5

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7. 'Design of fractional-order PI controllers and comparative analysis of these controllers with linearized, nonlinear integer-order and nonlinear fractional-order representations of PMSM'	Prof. Ujjwala Thakar, Dr. Vrunda Joshi, Vishwesh A. Vyawahare	International Journal of Dynamics and Control	6th April 2016	ISSN 2195-268X
8. 'Impacts of addition of photovoltaic system to Distribution Grid.'	Miss. Pooja P. Katyarmal, Prof. Mr. Omkar Pawaskar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No. 978-81-924990-4-8
9. 'Comparison of PI controller And PR controller for Grid connected mode of operation of Micro Grid.'	Miss. Sonal B. Baravkar, Prof. Mrs. K. M. kurundkar	National Journal at The Institution of Engineers (India) Pune, Vol 40	Nov 2016	ISBN No. 978-81-924990-4-8
10. "Day Ahead Market Price Forecasting using ARIMA"	Mrinal Patil, Dr. Mrs. S. R. Deshmukh	National Technical Journal of Institution of Engineers (India), Pune Local Center ,Vol- 40	Nov 2016	ISBN No. 978-81-924990-4-8
11. "Application of Smart Microgrid Technology and Smart water management at Pune Vidyarthi Griha's College of Engg, Pune."	Prof. Mr. S. T. Gaikwad, G. D. Mane., Dr. Y. P. Nerkar.	National Technical Journal of Institution of Engineers (India), Pune Local Center ,Vol- 40	Nov 2016	ISBN No. 978-81-924990-4-8
12. "Optimal planning and economical evaluation of cogeneration in sugar industry."	Manjusha Kanwade, Prof. M. S. Thakare	National Technical Journal of Institution of Engineers (India), Pune Local Center	Nov 2016	ISBN No. 978-81-924990-4-8

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13. "Optimization of photovoltaic-thermal (PVT) based cogeneration system through water replenishment profile"	Prof. Thakare M. S., Krishna Priya G. S, Ghosh P. C., Bandyopadhyay S	Solar Energy 133 , 112-123	August 2016	ISSN No. 0038092X
14." Speed Control of PMSM using disturbance observer"	Apte Aishwarya, Dr. Joshi Vrunda, Walambe Rahee, Godbole Ashwini	IFAC papers online by Elsevier VOL: 49 No: 1	March 2016	ISSN No: 2405-8963
15."Optimal Trajectory Generation for Car-type Mobile Robot using Spline Interpolation".	Walambe Rahee , Agarwal Nipun, Kale Swagatu, Dr. Joshi Vrunda	IFAC papers online by Elsevier VOL: 49 No: 1	March 2016	ISSN No: 2405-8963
Year: 2015-2016				
1. Optimal sizing of a photovoltaic-thermal hybrid system using energy ratio	Prof. Thakare M. S., Ghosh P. C., Bandyopadhyay S.,	Chemical Engineering Transactions 45, 373-378	Nov 2015	ISSN No. 2283-9216
2. Utilisation of excess energy in the sizing of photovoltaic-thermal system (PVT) using design space approach	Prof. Thakare M. S., Ghosh P. C., Bandyopadhyay S	Chemical Engineering Transactions 45, 1609-1614	Nov 2015	ISSN No. 2283-9216
3."A Simulation Study of Four Configurations of Brushless Doubly Fed Reluctance Machine"	S. Kunte, Prof. M. P. Bhawalkar, Dr Y. P. Nerkar, Dr. N. Gopalkrishan, Dr. Mrs. G. A. Vaidya	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	7.October 2015	ISBN No. 978-81-924990-3-1

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4."SVPWM based Speed Control of PMSM motor with Hall Sensor using DSP TMS 320F2812"	Sushant Patil, Prof. U.S. Thakar, Dr. V.A. Joshi, Hrishikesh Mehta	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	7.October 2015	ISBN No. 978-81-924990-3-1
5." Integration of Grid Based Path Planning with a Differential Flatness Based Motion Planner in a Non-holonomic Car-type Mobile Robot"	Nipun Agarwal, Rahee Walambe, Dr. Vrunda Joshi, Anirudha Rao	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	7.October 2015	ISBN No. 978-81-924990-3-1
6."Study of different Control Strategies of Shunt Active Power Filter and its Implementation to Mitigate harmonics"	Miss Renu C. Lohana, Prof. Mrs. Kalyani. M. Kurundkar	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	7.October 2015	ISBN No. 978-81-924990-3-1
7. "Three phase Three Level VSI based STATCOM"	Prof. A. D. Purandare, Dr. N. Gopalkrishan, Dr. Y. P. Nerkar	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	October 2015	ISBN No. 978-81-924990-3-1
8. "Analysis of Frequency Deviation in Micro Grid under Intermittent Nature of Wind Power"	Dr. S. R. Deshmukh MIE, Jayashri. V. Satre	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	7.October 2015	ISBN No. 978-81-924990-3-1
9. " Discrete wavelet transform based Voltage Sag Analysis using DSPIC33F Microcontroller"	Rohan C. Tamhankar, Dr. Mrs. V. A. Joshi	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	October 2015	ISBN No. 978-81-924990-3-1
10."Study and Analysis of MPPT Techniques of PV	Monali K. Bharambe, Prof. Gauri M.	National Journal at The Institution of	October 2015	ISBN No. 978-81-924990-3-1

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System Using Switch Mode Regulators”	Karve	Engineers (India) Pune Local Centre, Vol. 39		
11. “A Novel Grid Restoration scheme using Active PFC”	Jayesh Joglekar, Dr. N. Gopalkrishan, Dr. Y. P. Nerkar	Elsevier, Procedia Technology, Vol 21	August 6-8, 2015	ISSN No: 2212-0173
12. ”Simulation, Design and control of a modified H-bridge single phase seven level Inverter”, IEI Journal	Prof. Mrs. P.R. Khatri and AtulkumarVarma	National Journal at The Institution of Engineers (India) Pune Local Centre, Vol. 39	October 2015	ISBN No. 978-81-924990-3-1
Year: 2014-2015				
1. “Analysis and Modelling of High Impedance Fault”	Nikita Khandare, Prof. Mrs. Preeti Khatri	SSRG International Journal of Electrical and Electronics Engineering, Vol-2	3, March 2015	ISSN : 2348-8379
2. “Behavior of DFIG under LLG fault when connected to dynamic voltage restorer”	Mrs. Parinita Andhansare, Prof. Mrs U S Thakar	International Journal of Innovative and emerging research in Engineering, Volume 2, Issue 4	2015	e- ISSN:2394-3343, p- ISSN:2394-5494
3. ” A Simulation of Unified Power Quality Conditioner in the Compensation study”	C. Madhavi, Prof. Dr. Mrs. G. A. Vaidya	National Journal at The Institute of Engineers (India) Pune	Nov 2014	ISBN No: 978-81-924990-2-4
4. ” Comparison of Two Robust Phase Locked Loops used for electric utility Applications”	Prof. M. P. Bhawalkar, Dr. N. Gopalkrishan, Dr Y. P. Nerkar	National Journal at The Institute of Engineers (India) Pune	Nov 2014	ISBN No: 978-81-924990-2-4

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5" Design of Impluse Generator for Testing of Reactors"	S. P. Kuchekar, Prof. M. P. Bhawalkar	National Journal at The Institute of Engineers (India) Pune	Nov 2014	ISBN No: 978-81-924990-2-4
Year: 2013-2014				
1."Evaluation of Reliability Indices and Cost worth Analysis for Generating Power Plants"	Suyog Hirve, Dr S R Deshmukh	International Journal of Engineering Research & Technology , Vol.2 - Issue 12	December - 2013	e-ISSN: 2278-0181
2. " Speed control of PMSM system using improved reaching law based sliding mode control and disturbance observer technique"	Shital M. Wasu, Prof. U. B. Sarode, Prof. M.P.Bhawalkar	International Journal of Advanced Computer Research, , Vol 3, Issue 13	Dec 2013	ISSN No: 2249-7277
3. " Energy Storage Technologies for Wind Power Generation"	Prof. M. P. Bhawalkar, Dr. N. Gopalkrishan, Dr Y. P. Nerkar	International Journal of Advanced Computer Research, , Vol 3, Issue 13	Dec 2013	ISSN No: 2249-7277
4. Sizing of standalone photovoltaic thermal (PVT) systems using design space approach	Krishna Priya Prof. G. S, Thakare M. S, Ghosh P. C., Bandyopadhyay S	Solar Energy 97, 48-57	November 2013	ISSN No. 0038092X
5." Analysis of PSO Strategies for Non-Convex Economic Load Dispatch"	Ujjwala Agawane, Prof. M. S. Thakare	International Journal of Engineering Research and Technology	November 2013	ISSN No. 2278-0181
6. "Apparent Impedance of Ground Distance Relay using Variable Zero Sequence Current Compensation Factor"	Renuka Jagdale, Prof. Dr. G. A. Vaidya	International Journal of Emerging Technology and Advanced engineering, Vol 3, Issue 8	Aug 2013	ISSN 2250-2459
7. " Solar Water Pumping System"	K. B. Rohit, Prof. G. M. Karve,	International Journal of Emerging	July 2013	ISSN 2250-2459

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	Prof. Khatri	Technology and Advanced engineering, Vol 3, Issue 7		
8. " Estimation of Technical Losses In A Distribution System"	Jaya A. Keoliya, Prof. Dr. G. A. Vaidya	International Journal of Engineering Research and Technology, Vol 2, Issue 6	June 2013.	ISSN No: 2278-0181
Year: 2012-2013				
1. " Variable Hysteresis Band Current Controller for Power Harmonics Compensation"	Prof. S. S. Hadpe, Prof.M. P. Bhawalkar, N. B. Shaikh, K. P. Varade	International Journal of Emerging Technology and Advanced engineering, Vol 3, Issue 4	April 2013	ISSN 2250-2459
2. " Use of Portfolio Optimization for management of risk in Electricity Market"	Ms. Pooja Shinde, Prof. Dr. S. R. Deshmukh	International Journal of advances in management, technology and Engineering Sciences	March 2013	ISSN: 3349-7455
3. " Assessment of Fuel –Price Risk"	Ms. Pooja Shinde, Prof. Dr. S. R. Deshmukh	The institute of Engineers- Pune local centre, Technical Journal	2012	ISBN NO: 978-81-924990-1-7
4. " Evolutionary Computational Techniques to solve Economic load dispatch problem considering generator operating constraints"	Santosh L. Mhetre, Mangesh S. Thakare	International Journal of Engineering research and applications	Dec 2012	ISSN No. 2248-9622
5" Evalution of Reliability Indices for Generation System"	Mr. S. S. Hirve , Dr. Mrs. S. R. Deshmukh	The institute of Engineers- Pune local centre, Technical Journal No: 36	Nov 2012	ISBN No: 978-81-924990-0-0
6. " Digital harmonic restraint differential relay	Mrs. K. M. Kurundkar, Dr. V. A. Joshi	The institute of Engineers- Pune local centre,	Nov 2012	ISBN No: 978-81-924990-0-0

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for power transformer protection”		Technical Journal No: 36		
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