



**SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING ,
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DEPARTMENT OF ELECTRICAL ENGINEERING**

PATENT & PUBLICATION DETAILS A.Y. 2023-24

Table 1: Patent Data

Sr. No.	Name of Inventors	Application No. / Publication No.	Title of the Invention	Status Published / Granted
01	S. K. Shahade Dr. A.U. Jawadekar Mr. U. A. Jawadekar Dr. P.V. Deshmukh	Application No.202421005603 A Publication Date : 23/02/2024	Intelligent I landing Detection System For Distributed Generation Using Machine Learning	Published

Table 2: Copyrights Data

Sr. No.	Name of Faculty	Title of Works	Status
01	S. K. Shahade Dr.A.U. Jawadekar Mr. U. A. Jawadekar Dr. P.V. Deshmukh	Machine Learning- Powered Islanding Detection For Enhanced Grid Resilience	Published
02	Mr. V. S. Karale Dr. S. R. Paraskar	Smart LPG Gas Stove	Submitted

Table 3: Publication Data

Sr. No.	Faculty Name (Author Name)	Paper Title	Publication Details with ISSN / Vol. / Issue / DOI / Year	International Journal/National Journal/Book Chapter/ International Conference/National Conference	Indexing (SCI/Web of Science/Scopus/UGC CARE/Google Scholar/Other)	Paper link
01	Sneha Khodke, Mr.R.S. Kankale, Dr. S.R. Paraskar	A Hilbert Transform Based Approach for Classification of Complex Power Quality Disturbances	The Indian Journal of Technical Education	International Journal	UGC Care I	http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20July%202023.pdf
02	Mr. M.R.Chavan Dr. A.U.Jawadekar	SOBI-ANN Based Induction Motor Fault Classification	IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS-2024)	International Conference	SCOPUS	https://ieeexplore.ieee.org/document/10625002
03	P.R.Bharambe Dr.S.R.Paraskar R. S. Kankale Dr.S.S.Jadhao	A Novel Algorithm for Discrimination of the Magnetizing Inrush Current and Internal Fault Current of a Transformer Using Teager Energy Operator and Artificial Neural Network.	Lecture Notes in Electrical Engineering, vol 1162. Springer, Singapore.	Book Chapter	SCOPUS	https://link.springer.com/chapter/10.1007/978-981-97-0763-8_33
04	R. S. Kankale Dr.S.R.Paraskar Dr.S.S.Jadhao	Development of wavelet and ANN based algorithm in LABVIEW environment for classifying the power quality disturbances.	Lecture Notes in Electrical Engineering, vol 1162. Springer, Singapore.	Book Chapter	SCOPUS	https://link.springer.com/chapter/10.1007/978-981-97-0763-8_35
05	M. Bagde A.U.Jawadekar A.Sawalakhe	Enhancing performance of hybrid electric vehicle using optimized energy management methodology	Lecture Notes in Electrical Engineering, vol 1162. Springer, Singapore.	Book Chapter	SCOPUS	https://link.springer.com/chapter/10.1007/978-981-97-0763-8_50
06	Mr.R. S. Kankale, Dr. S. R. Paraskar, Dr. S. S. Jadhao,	“Classification of Multiple and Multistage Power Quality Disturbances Using S-Transform and Feed Forward Neural Network”,	Futuristic Trends in Electrical Engineering, , IIP Series, Volume 3, Book 2, Part 6, Chapter 1	Book Chapter	--	https://www.iipseries.org/
07	Mr. V.S.Karale, Dr. S. R. Paraskar, Dr. S. S. Jadhao,	“Voltage Sag Reduction Using A Uvtg-Based Dynamic Voltage Restorer ”,	Futuristic Trends in Electrical Engineering, , IIP Series, Volume 3, Book 2, Part 6, Chapter 1	Book Chapter	--	https://www.iipseries.org/assets/docupload/rls/20244A2627044172DC8.pdf

08	Mr. P.R.Bharambe Dr. S. R. Paraskar, Dr. S. S. Jadhao,	“Discrimination of interturn faults from magnetizing inrush current in transformer: A wavelet transform Approach ”,	Futuristic Trends in Electrical Engineering, , IIP Series, Volume 3, Book 2, Part 6, Chapter 1	Book Chapter	--	https://www.iipseries.org/
09	Dr. A.U.Jawadekar G.G.Akotkar	Transformer Incipient Fault Diagnosis using Supervised Machine Learning	International Conference on Recent Advances in Engineering and Computer Applications (ICRAECA-2023) 14th and 15th July 2023	International Conference	Google Scholar	https://www.iferp.in/past-conference/icraeca-23.php
10	S. K. Khodke, R. S. Kankale Dr. S. R. Paraskar	A Hilbert Transform Based Approach for Classification of Complex Power Quality Disturbances,"	International Conference on Green Energy (ICOG 2023), Pune, India, May 2023.	International Conference	Google Scholar	https://aissmscoe.com/icoge-2023/
11	Dr. S.R.Paraskar	Improvement of Power Quality in distributuin system using battery Energy storage system	Second international conference on Multidiciplinary Research and Innovation (ICMRI) 2024	International Conference	Google Scholar	https://www.icmri2024.com/
12	Dr.S.R.Paraskar	Enhancing Reliability of Distribution system with Battery Energy Storage Systems	International Conference on Futuristic Trends in Science , Engineering and Management (ICFTSEM) 2024	International Conference	Google Scholar	https://facultytub.com/icftsem-international-conference-on-futuristic-trends-in-science-engineering-and-management-2024/
13	Dr . A.U.Jawadekar	advancement in llanding Detection techniques: A Comprehensive Review	Hinwis Second international Conference recent trends in Machine Learning and Image Processing LMIP 2023	International Conference	Google Scholar	http://mlip.thehinweis.com/2023/
14	Sneha Khodke Mr. R. S. Kankale , Dr.S.R.Paraskar Dr. S.S. Jadhao	“A Hilbert Transform Based Approach for Classification of Power Quality Disturbances”,	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE), Vol. 11, Issue 8, August 2023 DOI: 10.17148/IJREEICE.2023.11801	International Journal	Google Scholar	https://ijreeice.com/wp-content/uploads/2023/08/IJREEICE.2023.11801.pdf
15	P.R.Dhabe, Dr. S. R.Paraskar Dr. S.S Jadhao	”Battery State of Charge Estimation Methods – A Critical Review”	International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering Volume 11, Issue 12, December 2023	International Journal	Google Scholar	https://ijreeice.com/wp-content/uploads/2023/12/IJREEICE.2023.111201.pdf

16	G. N. Bonde, Dr. S. R. Paraskar, V. S. Karale, R. Z. Fulare, Dr. S. S. Jadhao	“Comparative Analysis Of Various Methodologies For Voltage Swell And Sag Detection In Online And Offline Conditions “	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 4, Issue 5, April 2024 IF 7.53	International Journal	Google Scholar	https://www.ijarsct.co.in/Paper17529.pdf
17	Mr. R. S. Kankale , Dr.S.R.Paraskar Dr. S.S. Jadhao	“Hilbert Transform Based Approach for Detection and Classification of Power Quality Disturbances”,	Journal of Recent Trends in Electrical Power System, Vol 7, No 2 (2024)	International Journal	Google Scholar	https://ijireeice.com/wp-content/uploads/2023/08/IJIREEICE.2023.11801.pdf
18	R.K.Mankar Dr.A.U. Jawadekar	Analysis of Neuro Fuzzy based STATCOM and SSSC	International Journal of Research PublicationsandRevoews Vol 4,No 7, Pp, 89-100,July 2023	International Journal	Google Scholar	https://ijrpr.com/uploads/V4ISSUE7/IJRPR15214.pdf
19	Mukesh R. Chavan Dr.A. U. Jawadekar	PCA and ANN Based Induction Motor Fault Classification	Journal of Advanced Research in Artificial Intelligence & It's Applications Volume 1 Issue 2 Page 47-56 2024,DOI:https://doi.org/10.5281/zenodo.110447 87	International Journal	Google Scholar	http://hbrppublication.com/OJS/index.php/JARAIIA/issue/view/1113
20	M. R. Chavan , A. U. Jawadekar Danton Diego Ferreira	SOBI-ANN Based Induction Motor Fault Classification	TTIC, Vol. 7, 2023	International Journal	Google Scholar	https://tiutic.org/pdf/volume/Vol_7/Vol7_Article_5.pdf