

List of Patent/Publications Details AY 2024-25

Table I: Patent Data

Sr. No.	Name of Inventors	Application No. / Publication No.	Title of the Invention	Status Published / Granted
01	Dr. S.R.Paraskar,Dr. S.S.Jadhao,Dr. K.A.Dongare	20252103032174A	A Fault Diagnosis system for Electric Vehicle Motors	Published
02	Dr. S.S.Jadhao. Dr. K.A.Dongare	Design No: 446407-001 02/02/2025	AI-Based Device For Advanced Threat Protection And Cyber Security Monitoring	Published

Table II: 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/ UG C CARE/Google Scholar/Other)	Paper link
1	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale	A Novel Algorithm for Classification of Voltage Sag Causes Using Alienation Coefficient and Power Quality Index	ECTI Transactions on Electrical Engineering, Electronics, and Communications,(ECTI-EEC), vol. 23, no. 2, Jun. 2025. ISSN: 1685-9545	International Journal	Scopus (Q3)	https://ph02.tci-thaijo.org/index.php/ECTI-EEC/article/view/255887
2	M.A.Bagde Dr.A.U.Jawadekar	Optimization Techniques Using Battery, Supercapacitor And Fuel Cell Hybrid Energy Storage	The South Eastern European Journal of Public Health (SEEJPH)Volume XXVII, 2025,; Posted:02-02-25, ISSN: 2197-5248	International Journal	Scopus(Q4)	https://www.seejph.com/index.php/seejph/article/view/5934/3935

		Systems In Electric Vehicles				
3	Mahendra Annaji Bagde Dr. Anjali Jawadekar Priti Mahendra Bagde	Enhanced Energy Management Techniques For FuelCell/Battery/Ultracapacitor Hybrid Electric Vehicle Based On Different Control Strategy	J. Electrical Systems 20-11s (2024): 4360-4367, ISSN: 1112-5209	International Journal	Scopus	https://journal.esrgroups.org/jes/article/view/8511/5725
4	Mukesh Chavan Dr. A.U.Jawadekar	An Induction Motor Fault Diagnosis Using Space Phasor Method and Artificial Neural Network	Journal of Information Systems Engineering and Management 2024,9(4s)e- ISSN:2468-4376	International Journal	Scopus	https://jisem-journal.com/index.php/journal/article/view/11342/5271
5	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	Classification of Voltage Sag Events Arising from Diverse Causes Using Signal Processing and Soft Computing Technique	(Chapter 38), Lect. Notes in Networks, Syst., Vol. 1294, Akshi Kumar et al. (Eds): Proceedings of Fourth International Conference on Computing and Communication Networks ISBN:978-981-96-3252-7	Book Chapter	Scopus	https://link.springer.com/chapter/10.1007/978-981-96-3253-4_38
6	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	A Novel Approach for Voltage Sag Cause Identification Using V-V Plane with Soft Computing	2024 International Conference on Sustainable Power & Energy (ICSPE) Electronic ISBN:979-8-3503-6605-1	International Conference	Scopus	https://ieeexplore.ieee.org/document/10924377
7	M.A.Bagde Dr.A.U.Jawadekar	Development Of Different Control Strategies For Hybrid Energy Storage Systems In Electric Vehicles	2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications (ICAIQSA-2024) held on 20th and 21st December , 2024, Electronic ISBN:979-8-3315-1795-3	International Conference	Scopus	https://ieeexplore.ieee.org/document/10882308

8	P.R Dhabe Dr. S.R.Paraskar Dr. S.S.Jadhao	An Improved Algorithm for SoC Estimation Using a Hybrid Coulomb Counting and Voltage-Based Method	3rd International Conference on Innovations in Clean Energy Technologies (ICET 2025)	International Conference	Scopus	
9	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	Integrating Hilbert Transform and KNN for Accurate Voltage Sag Cause Identification	International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024) 20th & 21st December 2024	International Conference	UGC Care I	https://www.isteonline.in/Datafiles/cms/IJTE%20Spe.%20Issue%202025/IJTE%20special%20issue%201%20February%202025%20(2).pdf
10	M.A.Bagde Dr.A.U.Jawadekar	Energy Management Strategies for Hybrid Electric Vehicle	International Conference on research & Innovative perspective in Engineering (ICRIPE 2025) government college of engineering Nagpur on 23th & 24th Jan 2025	International Conference	UGC Care I	
11	Dr. A.U.Jawadekar Mukesh Chavan	Application Of The Novel Wavelet ANN Method For Segregating Bearing Faults In Three-Phase Induction Motor	Current Approaches in Engineering Research and Technology Vol. 10	Book Chapter	Google Scholar	
12	Dr. Saurabh Jadhao Dr.Ravishankar Kankale Purushottam Bharambe Ganesh Bonde	AI and Machine Learning in Electrical Systems	Vinsa Publications, ISBN-13: 978-9348460769	Book	Google Scholar	https://www.flipkart.com/ai-machine-learning-electrical-systems/p/itmbd8798223ae45
13	Kunal Nagesh Sawalakhe Dr. Sudhir R. Paraskar Shrikant Daulatrao Zilpe	CONTROL STRATEGIES FOR CUK CONVERTERS IN DC – DC DRIVE APPLICATIONS	Vinsa Publications, ISBN: 978-81-988406-5-3	Book	Google Scholar	https://authors.vinsapublishing.com/9788198840653-vp/

	Pritesh Ramesh Rao Mhaikar					
14	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	Robust Classification of Voltage Sag Causes via Hilbert Transform and Soft Computing	The Indian Journal of Technical Education , vol 47, Issue 4, Oct-Dec 2024, ISSN 0971-3034	International Journal	UGC Care I	https://www.isteonline.in/Datafiles/cms//ISTE%20Journal//Qtrly%20issue%20Oct-Dec%202024%20for%20web%20uploading.pdf
15	Pratik Dhabe Dr Sudhir Paraskar Dr. Saurabh Jadhao	A Comprehensive Analysis of the Open-Circuit Voltage (OCV) Method for the Estimation of State of Charge	Transactions of the Indian National Academy of Engineering Volume 10, pages 235–242, (2025), Electronic ISSN 2662-5423	International Journal	UGC care I	https://link.springer.com/article/10.1007/s41403-025-00517-7
16	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	Integrating Hilbert Transform and KNN for Accurate Voltage Sag Cause Identification	The Indian Journal of Technical Education , Vol. 48 Special Issue No. 1, pp-151-160 February 2025, ISSN 0971-3034	International Journal	UGC Care I	https://www.isteonline.in/Datafiles/cms//IJTE%20Spe.%20Issue%202025//IJTE%20special%20issue%201%20February%202025%20(2).pdf
17	Ganesh Bonde Dr Sudhir Paraskar Dr. Saurabh Jadhao Dr.Ravishankar Kankale Vijay Karale	Underlying Cause Based Voltage Sag Generation using MATLAB Simulink and Tailor-Made Experimental Setup	Journal of Emerging Trends in Electrical Engineering, 6(3), 21–31.2024, e-ISSN:3048-5924	International Journal	Google Scholar	http://hbrppublication.com/OJS/index.php/JETEE/article/view/6133
18	Shyam N.Gadekar Dr. A. U. Jawadekar R. K. Mankar	Efficient Fault Localization In Smart Grid Distribution Systems Using Smart Discrete Fourier Transform And DG Sources	International Journal Of Novel Research And Development (IJNRD), Volume 10, Issue 4 April 2025 , ISSN: 2456-4184	International Journal	Google Scholar	https://ijnrd.org/papers/IJNRD2504594.pdf

19	Harsha Lande Dr Sudhir Paraskar Ganesh Bonde	Comparative Study on Detection and Classification of Transmission Line Faults using Soft Computing Technique	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET) Volume 14, Issue 5, May 2025, e-ISSN: 2319-8753 p-ISSN: 2347-6710	International Journal	Google Scholar	https://www.ijirset.com/upload/2025/may/315_Comparative.pdf
20	U.A.Jawadekar	Identification Of Lightning And Non, Lightning Fault Of Transmission Line	International Research Journal of Modernization in Engineering Technology and Science Volume:07/Issue:04/ April-2025 Impact Factor-8.187, e-ISSN: 2582-5208	International Journal	Google Scholar	https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2025/74354/final/fin_irjmets1746029097.pdf