

Publications in Journals by faculty during academic year (2023-2024)

S.N.	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / Vol. / Issue / DOI / Year	Indexing (SCI/Web of Science/Scopus/UGC CARE/Google Scholar/Other)	Paper Link
1	Dr. M. N. Tibdewal	A survey on Motion Artifact Correction in Magnetic Resonance Imaging for Improved Diagnostics	https://doi.org/10.1007/s42979-023-02596-1	SCI, Scopus, ACM Digital Library, Google Scholar Indexed,	https://link.springer.com/article/10.1007/s42979-023-02596-1#citeas
2	Mr. S. P. Badar and Dr. K. Khanchandani	Analyzing Polar Decoding Approaches: A Comparative Study	Journal of VLSI Design and Signal Processing, 9(3), 2023 (e-ISSN: 2581-8449)	Google Scholar	https://drive.google.com/file/d/14ljjM1bCB_a6p7_fsh2v7XGx7tGX7IL/view?usp=drive_link
3	Dr. N. S. Dharmale	Performance Analysis of Un-doped and Doped Titania (TiO ₂) as an Electron Transport Layer (ETL) for Perovskite Solar Cells	Vol.30,no.5, DOI: https://doi.org/10.1007/s00894-024-05943-y , Year:2024	SCI , Scopus	https://link.springer.com/article/10.1007/s00894-024-05943-y , https://rdcu.be/dGsUW
4	Dr. N. S. Dharmale	Evaluating the Effect of Metal, Nonmetal, and Co-doping on Brookite TiO ₂	Year 2024,https://doi.org/10.1142/S1793292024500425	SCI, Scopus	https://worldscientific.com/doi/10.1142/S1793292024500425 , https://doi.org/10.1142/S1793292024500425
5	Dr. N. S. Dharmale	Optimizing Brain Tumor Detection using Machine Learning	Year 2024,Vol.2, ISSUE 1,	Google Scholar - Referred Journal;	https://ssgmjournal.in/index.php/ssgm/article/view/100

6	Dr. S B. Patil	A powerful method for interactive content-based image retrieval by variable compressed convolutional info neural networks	https://doi.org/10.1007/s00371-023-03104-5 , Oct 2023	SCI Journal	https://www.researchgate.net/publication/374369027_A_powerful_method_for_interactive_content-based_image_retrieval_by_variable_compressed_convolutional_info_neural_networks
7	V. S. Ingole	Bridging Agricultural Communities: A Digital Platform for Machinery	Volume 12 Issue 4 April 2024, ISSN:2320 :2882	UGC CARE	http://ijcrt.org/viewfull.php?&p_id=IJCRT24A4228
8	V. S. Ingole	Design And Development Of Seed / Granule Spreader Mechanism For Unmanned Aerial Vehicle (Uav)	Volume 12 Issue 4 April 2024, ISSN:2320 :2882	UGC CARE	https://ijcrt.org/viewfull.php?&p_id=IJCRT24A4427
9	A. A. Deshmukh	Research on Soyabean Seed Grading	AJANTA -ISSN 2277 - 5730(www.sjifactor.com)	Referred Journal	https://drive.google.com/file/d/1Fge8uvSfsZLN_Hro3hq_0DGn2RlMOWv8/view?usp=sharing
10	S. G. Nemane, Dr. D. P. Tulaskar	Design and Development of Seed Germination using IOT	Volume 15 Issue 2 ISSN Print: 0976-6480 and ISSN Online: 0976-6499	Google Scholar, SCOPE Database Indexed	https://iaeme.com/Home/article_id/IJAR_ET_15_02_003
11	Dr. K. T. Kahar	Industrial Robotic Arm System	Year 2024, Vol.2, ISSUE 1,	Google Scholar,	https://ssgmjournal.in/index.php/ssgm/article/view/101
12	Dr. K. T. Kahar	Assistive Navigational Stick	Year 2024, Vol.2, ISSUE 1,	Google Scholar,	https://ssgmjournal.in/index.php/ssgm/article/view/102
13	Dr. S. B. Patil	Efficient Content Based Image Retrieval System Based on Early and Late Fusion Technique	Volume 18, Issue 5, PP-1205-1224, ISSN No:1001-2400, (https://doi.org/10.5281/Zenodo.11299), May 25, 2024	Scopus	https://zenodo.org/records/11299605

14	Dr. K. T. Kahar, Dr. R. S. Dhekekar	Optimization of MEMS-based Energy Scavengers and output prediction with machine learning and synthetic data approach	Volume 358, 16 August 2023, 114429, DOI- https://doi.org/10.1016/j.sna.2023.114429	SCI	https://www.sciencedirect.com/science/article/pii/S0924424723002789
15	Dr D.D. Nawgaje	Statistical Analysis of Retinal Image Processing Techniques from an Empirical Perspective	The Indian Journal of Technical Education, September 2023, Volume 46, page no. 196-204	UGC Care	https://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20September%202023.pdf
16	Dr D.D. Nawgaje	U-Net-based ganet sine cosine algorithm enabled lesion segmentation and deep CNN for diabetic retinopathy classification	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization	Scopus	https://www.tandfonline.com/doi/abs/10.1080/21681163.2023.2236233
17	Dr. K. T. Kahar	Vehicle safety system for blind spot and Hilly areas	SSGMJSE	Google scholar	https://www.researchgate.net/profile/Kamlesh_Kahar/publication/390108146_Vehicle_Safety_system_for_Blind_Spot_and_Hilly_Areas/links/67e02e6635f7044c9280b4c1/Vehicle-Safety-system-for-Blind-Spot-and-Hilly-Areas.pdf
18	Dr. K. T. Kahar	Micro Scale Energy Scavengers for low power applications in Rural Areas	SSGMJSE	Google scholar	https://ssgmjournal.in/index.php/ssgm/article/view/41
19	Dr D.D. Nawgaje	Design of a model for multistage classification of diabetic retinopathy and glaucoma	International Journal of Informatics and Communication Technology (IJ-ICT)/	Scopus	https://ijict.iaescore.com/index.php/IJICT/article/viewFile/20799/13044

Publications in books/book chapter by faculty (2023-2024)

S.N.	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / Vol. / Issue / DOI / Year	Indexing (SCI/Web of Science/Scopus/UGC CARE/Google Scholar/Other)	Link
1	Dr. S. B. Patil	Transfer Learning by Fine-Tuning Pre-trained Convolutional Neural Network Architectures for Image Recognition	ISSN 2731-555X ISSN 2731-5568 (electronic) Data-Intensive Research ISBN 978-981-99-9178-5 ISBN 978-981-99-9179-2 (eBook)	Proceedings of IDBA 2023 (Springer).	https://www.researchgate.net/publication/379031488_Transfer_Learning_by_Fine-Tuning_Pre-trained_Convolutional_Neural_Network_Architectures_for_Image_Recognition
2	Dr. S. B. Patil	Enhancing Efficiency in Content Based Image Retrieval System Using Pre-trained Convolutional Neural Network Models	. ISBN- 978-981-5179-61-3 (Print), eISBN- 978-981-5179-60-6 (Online). DOI: 10.2174/9789815179606124010015	Bentham Book- May-2024	https://www.euraselect.com/ebook_volume/3704

Publications in conference by faculty (2023-24)

S.N.	Name of Authors	Paper Title	Conference details	Indexing (SCI/Web of Science/Scopus/UGC CARE/Google Scholar/Other)	certificate link/Paper Link
1	Dr. N. S. Dharmale, Dr. R. S. Mahamune	Application of OLCAO-GGA and OLCAO-MGGA Techniques for investigating properties of TiO ₂	3rd International Conference on Emerging Electronics and Automation (E2A-2023) organized by Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Assam, India on 15th to 17th December 2023.	Scopus	https://drive.google.com/file/d/11ixrPipL839559Fi1FbRbe8TtdU7sS4/view?usp=sharing
2	Dr. N. S. Dharmale, Dr. R. S. Mahamune	The multi-scale wavelet approach for the removal of eye-blink artifact from EEG Signals	3rd International Conference on Emerging Electronics and Automation (E2A-2023) organized by Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Assam, India on 15th to	Scopus (Paper published in springer lecture notes series).	https://drive.google.com/file/d/1eRvhVP6_iyFss06L81ywM3DCJ4vzek2e/view?usp=sharing https://doi.org/10.1007/978-981-97-6802-8_27

			17th December 2023.		
3	Mr. H. B. Patil Dr. N. S. Dharmale	Elevating Canteen Management with a Modern Web Solution	2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science	IEEE Scopus	https://drive.google.com/file/d/16tAP9o2Leqr4-Ol55gZGhi6baKM7rPUG/view?usp=sharing
4	Mr. S. P. Badar Dr. K. B. Khanchandani,	Efficient Implementation of Polar Decoder: Design and Performance Analysis	3rd International conference on "Computational Electronics for Wireless Communications" held at NIT Jalandhar during December 22-23, 2023.	Scopus	https://drive.google.com/file/d/1jPk7L8noO_Nsdd0SS_uVonFE9o_15y_r/view?usp=sharing
5	Dr D.D. Nawgaje	MDLGO: Integrated Multimodal Deep Learning Framework for Enhanced Precision in Glaucoma Diagnosis Using OCT A-scans	International Conference on Emerging Smart Computing & Informatics 2024	Scopus	https://www.connectedpapers.com/main/31209ba10fba0e840c235a5da4dea58c52da710e/MDLGO%3A-Integrated-Multimodal-Deep-Learning-Framework-for-Enhanced-Precision-in-Glaucoma-Diagnosis-Using-OCT-A%20scans/graph
6	Dr. R. S. Dhekekar, Dr. K. T. Kahar	Microelectromechanical System (MEMS) based Energy Scavengers for low power applications	International Conference on sustainable multidisciplinary advances in research and technology(SMART-2023)	Other	https://drive.google.com/file/d/1YN9C90PAO9Np_NaOqMgyGzEMKT8yoS3A/view?usp=sharing
7	V. M. Umale	Smart LPG Gas Level Monitoring and leakage	DOI-https://ssgmjour	Google scholar	https://ssgmjournal.in/index.php/ssgm/

