



Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Department of Electronics and Telecommunication Engineering

Patent and Publication Details A.Y. 2022-23

Table1:Patent Data

Sr. No.	Name of Inventors	Application No. / Publication No.	Title of the Invention	Status Published / Granted
1.	Piyush Ashokrao Dalke Dr.Santosh.B.Patil Prof.Deepavali .P.Patil	Application No. 202221003764/Publication No:-30/2023	Endodontic file to avoid fracture in root canal during root canal therapy using machine learning	Published

Table2: Publication Data

Sr. No	Name of Authors	Paper Title	Publication Details with ISSN / ISBN / 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
1	Kamlesh Kahar, Ram Dhekekar	Optimization of MEMS-based Energy Scavengers and output prediction with machine learning and synthetic data approach	Volume 358, 16 August 2023, 114429 https://doi.org/10.1016/j.sna.2023.114429	International Journal	SCI	https://www.sciencedirect.com/science/article/pii/S0924424723002789

2	Kamlesh Kahar, Ram Dhekekar	MEMS based energy scavenger with inter digitated electrodes	Volume 72, Part 1, 2023, Pages 350-360 https://doi.org/10.1016/j.matpr.2022.08.106	International Journal	SCOPUS	https://www.sciencedirect.com/science/article/abs/pii/S2214785322052622
3	Kamlesh Kahar, Ram Dhekekar	MEMS-based energy scavengers: journey and future	Volume 28, pg:-1971-1993,(2022),ISSN:-0946-7076/1432-1858 https://doi.org/10.1007/s00542-022-05356-y	International Journal	SCIE	https://link.springer.com/article/10.1007/s00542-022-05356-y
4	Vijay Tripathi, Manish N.Tibdewal, Ravi Mishra	Modified restricted Boltzmann machine (mRBM) for denoising of motion artifact-induces MRI scans	Volume 39,pp:-73-83,2023,ISSN/Eissn:2187-5219 https://doi.org/10.1007/s42600-022-00252-w	International Journal	SCOPUS+ESCI	https://link.springer.com/article/10.1007/s42600-022-00252-w
5	Vijay R. Tripathi, Manish N. Tibdewal, Ravi Mishra	Denoising of motion Artifacts MRI scans using conditional generative adversarial network	Volume 83,pp:-11923-11941,2024,ISSN / eISSN: 1380-7501 / 1573-7721 https://doi.org/10.1007/s11042-023-15705-2	International Journal	Science Citation Index Expanded	https://link.springer.com/article/10.1007/s11042-023-15705-2
6	M.N.Tibdewal	Comparison of different denoising networks on motion Artifacts MRI scans.	Print ISBN978-981-99-0084-8 Online ISBN978-981-99-0085-5 https://doi.org/10.1007/978-981-99-0085-5_25	International Conference	Springer Link/Scopus	https://link.springer.com/chapter/10.1007/978-981-99-0085-5_25
7	Swapnil P. Badar; Kamlesh Khanchandani	Successive Cancellation Polar Decoder Implementation using Processing Elements	SBN Information: Electronic ISBN:978-1-6654-6658-5 Print on Demand(PoD) ISBN:978-1-6654-6659-2 ISSN Information: Electronic ISSN: 2642-6102 Print on Demand(PoD)	International Conference	IEEE XPLORE/Scopus	https://ieeexplore.ieee.org/document/9864529

			ISSN: 2640-821X, 01-03 July 2022, 10.1109/TENSYMP54529.2022.9864529.			
8	Swapnil P. Badar; Kamalesh Khanchandani	Fast Polar Decoder Implementation using Special Nodes	ISBN Information: Electronic ISBN:979-8-3503- 1071-9,ISBN:979-8-3503- 1072-6,02 June 2023 10.1109/PCEMS58491.2023.1 0136054	International Conference	Scopus	https://ieeexplore.ieee.org/ document/10136054
9	Mrs. K. S. Vyas / Ms. A. A. Deshmukh	A Survey paper on Blockchain Technology and Consensus Algorithms	19 JUNE 2023, Electronic ISSN: 2157-0485, 10.1109/ICETET- SIP58143.2023.10151598	International Conference	Scopus	https://ieeexplore.ieee.org/ abstract/document/101515 98
10	M.N.Tibdewal	Design and Implementation of Smart Water Level Indicator and Valve Controller	https://ssgmjournal.in/index.p hp/ssgm/article/view/54	International Conference	Google scholar	https://ssgmjournal.in/inde x.php/ssgm/article/view/54
11	Dr.D.D.Nawgaje	Smart Multilevel Car Parking System	NA	International Conference	Other	NA
12	Dr.D.D.Nawgaje	Application of Deep learning algorithm in detection of Diabetic Retinopathy	NA	International Conference	Other	NA
13	Kamlesh Kahar	Micro Scale Energy Scavengers for low power applications in Rural Areas	https://ssgmjournal.in/index.p hp/ssgm/article/view/41	International Conference	Google scholar	https://ssgmjournal.in/inde x.php/ssgm/article/view/41
14	Kamlesh Kahar	Vehicle safety system for blind spot and Hilly areas	https://ssgmjournal.in/index.p hp/ssgm/article/view/62	International Conference	Google scholar	https://ssgmjournal.in/inde x.php/ssgm/article/view/62
15	Sanket Yende, Kalyani Bhagwat, Bhavesh Shah, Namrata Damare, V. M. Umale	Smart LPG Gas Level Monitoring and leakage Detection System using IoT	https://ssgmjournal.in/index.p hp/ssgm/article/view/53 IEEE National Students' Conference on Innovation In Rural Development organized by IEEE Students' Branch INSCIRD-2023, Shri Sant Gajanan Maharaj College of	National Conference	Google scholar	https://ssgmjournal.in/inde x.php/ssgm/article/view/53

			Engineering, Shegaon held on 20th - 21st April 2023.			
16	Shruti Singhaniya, V. M. Umale, Shreya Pandey, Gayatri Kungade, Abhishek Jaiswal, Yash Saiwal	Design and Development of Water Ionizer	https://ssgmjournal.in/index.php/ssgm/article/view/55 IEEE National Students' Conference on Innovation In Rural Development organized by IEEE Students' Branch INSCIRD-2023, Shri Sant Gajanan Maharaj College of Engineering, Shegaon held on 20th - 21st April 2023.	National Conference	Google scholar	https://ssgmjournal.in/index.php/ssgm/article/view/55

Dr.N.S.Dharmale
Department R &D coordinator

Dr.M.N.Tibdewal
HoD (EXTC)