



Shri Gajanan Shikshan Sanstha's
**SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA**

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Shri Sant Gajanan Maharaj College of Engineering Shegaon
Department of Electronics and Telecommunication Engineering
Number of quality paper publications in Journals by faculty during academic year
2024-2025

Sr. No.	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 Devesh D. Nawgaje	Design of a model for multistage classification of diabetic retinopathy and glaucoma	International Journal of Informatics and Communication Technology (IJ-ICT), Vol. 13, No. 2, August 2024, pp. 214-222, ISSN: 2252-8776, DOI: 10.11591/ijict.v13i2.pp214-222	SCOPUS	https://ijict.iaescore.com/index.php/IJICT/article/view/20799
2	Dr. D.D. Nawgaje	DETECTION AND ANALYSIS OF PLANT LEAF DISEASE USING ARTIFICIAL INTELLIGENCE	International Research Journal of Modernization in Engineering Technology and Science, Volume:06/Issue:07/ July-2024, e-ISSN: 2582-5208	Google Scholar	https://www.irjournals.com/uploadedfiles/paper/issue_4_april_2022/21094/final/fin_irjmets1652503314.pdf
3	Ashwini Deshmukh, Komal Vyas	Blockchain Technology in Healthcare Applications	The Indian Journal of Technical Education, Volume 48, Special issue, Number 1, February 2025, ISSN : 0971-3034 , Published by ISTE	UGC Care	Link : https://www.isteonline.in/Datafiles/cms/IJTE%20Spe.%20Issue%202025/IJTE%20special%20issue%201%20February%202025%20(2).pdf
4	Dr.S.B.Patil, Dr.D.P.Tulas	Design and Analysis of	The Indian Journal of Technical	UGC Care	https://isteonline.in/Datafiles/



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	kar,S.G.Nemane	Optimized Multiband Microstrip Planar Patch Antenna for Wireless Applications	Education, Volume 48, February 2025, Special issue, Number 1, pp 145-150, ISSN: 0971-3034, Published by ISTE		cms//IJTE%20Spe.%20Issue%202025//IJTE%20special%20issue%201%20February%202025%20(2).pdf
5	Manish N.Tibdewal	Design of an Iterative Model Integrating Bacterial Foraging Optimizer and Q-Learning for Enhanced Congestion Management in Wireless Networks	Frontiers in Health Informatics -ISSN-Online: 2676-7104	Frontiers in Health Informatics Journal, UGC care and Scopus indexed	https://healthinformaticsjournal.com/index.php/IJMI/article/download/171/170/281
6	S.B.Patil, D.P.Tulaskar	A Compact Arrowhead-Shaped Feed Circular Metallic Microstrip Patch Triple-Band Antenna for Multi-Standard Wireless Communication Services	Informatics Journal(JMMF)	SCOPUS	https://www.informaticsjournals.co.in/index.php/jmmf/article/view/49192
7	D.P.Tulaskar, S.G.Nemane	Recent Advances in Design and Optimization of Low Noise Amplifiers for Multistandard Receivers	Indian Journal of Technical Education(IJTE)	UGC Care (Accepted)	https://drive.google.com/drive/folders/1tlyTKy3uAv-GYXpjheWprn6TjB6mXv9n?usp=sharing
8	S.B.Patil, D.P.Tulaskar	Design of Fractal Inspired Quadband Microstrip Antenna for Multi Standard	Praise Worthy Prize (IRECAP)	SCOPUS (Accepted)	https://drive.google.com/drive/folders/1tlyTKy3uAv-GYXpjheWprn



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		Wireless Applications			6TjB6mXv9n?usp=sharing
9	Dr.S.B.Patil	Design of electronic module for fitness, health and safety in smart shoes	IRJMETS, VOLUME 7, ISSUE 4, APRIL 2025	Peer reviewed	chrome-extension://efaidnbmnnnibpcajpcgclefindmkaj/https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2022/21401/final/fin_irjmets1651086236.pdf
10	Mr. V.M.Umale	Iot based smart blood bank system	IJRTI, VOLUME 10, issue 4, april 2025, ISSN-2456-3315	Peer reviewed	chrome-extension://efaidnbmnnnibpcajpcgclefindmkaj/https://www.ijrti.org/papers/IJRTI2504173.pdf
11	Mr.D.L.Bhombhe	Gesture recognition-based security alert system using raspberry pi and yolov5		Peer reviewed	chrome-extension://efaidnbmnnnibpcajpcgclefindmkaj/https://www.irjmets.com/uploadedfiles/paper//issue_4_april_2025/72867/final/fin_irjmets1745481941.pdf
12	Mr.V.S.Ingole	A hybrid model for soyabean yield prediction integrating CNN, RNN, GCN	Computation 2025, 13(1), 4; https://doi.org/10.3390/computation13010004	Scopus	https://www.mdpi.com/2079-3197/13/1/4
13	Mr.S.P.SATAPAL	EOG signal analysis for efficient human computer interaction	JOURNAL OF ADVANCES IN ELECTRONICS SIGNAL PROCESSING, vol1, issue 2, august 2024	Peer reviewed	https://matjournals.net/engineering/index.php/JoAESP/article/view/763



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14	Dr Devesh D. Nawgaje	Fire Fighting robot car solution	International Research Journal of Modernization in Engineering Technology and science (IRJMETS), e-ISSN:2582-5208, Volume 7, issue 3, March, 2025	Peer reviewed	https://www.irjmets.com/uploadedfiles/paper//issue_3_march_2025/71190/financial/fin_irjmets1743667873.pdf
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Dr. N. S. Dharmale
Dept. R&D Coordinator

Dr. D. D. Nawgaje
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Shri Sant Gajanan Maharaj College of Engineering Shegaon
Department of Electronics and Telecommunication Engineering
Number of quality publications in books/book chapter by faculty (2024-2025)

Sr. No.	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	R. S. Mahamune, N. S. Dharmale	The Multi-scale Wavelet Approach to Remove the Eyeblink Artifacts from EEG Signals.	Lecture Notes in Electrical Engineering, vol 1237. ISBN: 978-981-97-6801-1. Online ISBN 978-981-97-6802-8. 06 February 2025. Springer	SCOPUS	https://doi.org/10.1007/978-981-97-6802-8_27
2	N.S.Dharmale, R. S. Mahamune, S. Chaudhury	Application of OLCAO-GGA and OLCAO-MGGA Techniques for Investigating Properties of TiO ₂ (2025-02-12)	Lecture Notes in Electrical Engineering ((LNEE, volume 1202)), Electronic ISSN 1876-1119, Print ISSN 1876-1100, First Online: 13 February 2025. Springer	SCOPUS	https://doi.org/10.1007/978-981-97-3090-2_6



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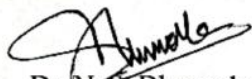
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3	Dr.S.P.Badar, and Dr.K.B.Khanchandani	EFFICIENT IMPLEMENTATION OF POLAR DECODER : DESIGN AND PERFORMANCE ANALYSIS	Lecture Notes in Networks and Systems ((LNNS,volume 959)),Springer Nature Singapore, 2023,01 December 2024	SCOPUS	https://link.springer.com/chapter/10.1007/978-981-97-1943-3_12
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Number of quality publications in conference by faculty (2024-25)

Sr. No	Name of Authors	Paper Title	Conference details	Indexing (SCI/Web of Science/Scopus/UGC CARE/Google Scholar/Other)	Paper Link	Certificate Link
1	Dr.Neerja Dharmale, Dr.Rupesh Mahamune	Precision Cotton Health Classification: A Deep Learning Approach for Disease Detection	ANRF Sponsored ICET 2025 Conference 21-22 February, ENERGY CENTRE, MANIT	SCOPUS	PAPER WILL PUBLISHED SOON AS BOOK CHAPTER(SPRINGER, WILEY, TAYLOR AND FRANCIS)	https://drive.google.com/file/d/1XhqJGV-NU1E8_FV3a14BVFoDDeiscYe0/view?usp=sharing
2	Dr.Neerja Dharmale, Ashwini Pohare, Dipali THokal, Nisha Pimple, Anuja Lande	Early Detection of Bollworm Infestation in Cotton Plants Using Convolutional Neural Networks	ANRF Sponsored ICET 2025 Conference 21-22 February, ENERGY CENTRE, MANIT	SCOPUS	PAPER WILL PUBLISHED SOON AS BOOK CHAPTER(SPRINGER, WILEY, TAYLOR AND FRANCIS)	https://drive.google.com/file/d/1tUu2fGo_xvYGxCZL41hAGwQqAFymRS-/view?usp=sharing
3	Dr. K. T. Kahar, Tejas Kale, Sahil Mathurkar, Pratham Kale	Drone-Based Weirs Inspection and Analysis for Enhancing Infrastructure	ANRF Sponsored ICET 2025 Conference 21-22 February, ENERGY	SCOPUS	PAPER WILL PUBLISHED SOON AS BOOK CHAPTER(SPRINGER, WILEY, TAYLOR AND FRANCIS)	https://ssgmce.ac.in-my.sharepoint.com/:b:/g/personal/ktkahar_ssgmce_ac_in/EWYc9g-XsoxAvW



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		ure Monitorin g of Water Resources in smart cities	CENTRE, MANIT			G4orZ-K9sBrPBtJr28oB258Y8dJmbEBA?e=hJ2iJb
4	R. S. Mahamune, Pravara Nemade, Sakshi Suradkar, Sakshi Dandale, Srushti Naphade, mruti Gangane	Classificat ion of EMG- based Hand Gestures using Time and Frequency Domain Features	Internationa l Conference on Emerging Smart Computing & Informatics 2025 (5, 6 & 7 March 2025). IEEE	SCOPUS	Paper will be pulkished on IEEE Explore soon.	https://driv e.google.co m/file/d/1n c7Y7cpW6 tWzAk_uP 0s_N9hQE HLyVoQH/ view?usp=s haring
5	Amit N. Dolas	Integrated AI and 6G Driven e- Health: Enabling Design, Challenge s, and Future Prospects	2024 IEEE Conference on Standards for Communica tions and Networking (CSCN 2024) held at Belgrade, Serbia. 25- 27 November 2024 DOI: 10.1109/CS CN63874.2 024.108496 92 ISBN:979- 8-3315- 0742-8 Electronic ISSN: 2644-3252	SCOPUS	https://ieeexpl re.ieee.org/doc ument/108496 92	



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6	Ashwini Deshmukh, Dr. Devesh Nawgaje, Komal Vyas	Exploring the role of Machine learning in Advancing Crop Disease Detection	The 3rd International Conference on Futuristic Technologies (INCOFT), 22-23 February 2025	SCOPUS, Google Scholar, DBLP, Semantic Scholar, EI and Web of Science	Paper Will be Published soon on Scite press Digital Library	https://drive.google.com/file/d/1o4H4wYXwc03zlQe95t3aU_qeKYPTtU6j/view?usp=sharing
7	Komal Vyas, Dr. Devesh Nawgaje, Ashwini Deshmukh	Exploring the potential of Artificial Intelligence in Oral Diseases	The 3rd International Conference on Futuristic Technologies (INCOFT), 22-23 February 2025	SCOPUS, Google Scholar, DBLP, Semantic Scholar, EI and Web of Science	Paper Will be Published soon on Scitepress Digital Library	https://drive.google.com/file/d/1E0Cku0GI5ye1EUY5ZE8KZXFLCKsggGa7/view?usp=drivesdk
8	Harshavardhan B Patil	Indoor Navigation System For Visually Impaired Using Beacon Technology	ANRF Sponsored ICET 2025 Conference 21-22 February, ENERGY CENTRE, MANIT	SCOPUS	PAPER WILL PUBLISHED SOON AS BOOK CHAPTER (SPRINGER, WILEY, TAYLOR AND FRANCIS)	https://drive.google.com/file/d/1AGBQYuiBOiTd_CvxILqGkFDxkF5bNzKv/view?usp=sharing
9	Harshavardhan B Patil, Dr. M.N. Tibdewal	"SMART WATER LEVEL MONITORING AND CONTROLLING SYSTEM"	IEEE TECHNIC OKNOCKDOWN-2025 (TKD-25)	National Level Student Conference		https://drive.google.com/file/d/1k0KbBzbSfY5AZ8wtEa1O3HHJnMYm2Qf/view?usp=sharing



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10	Dr.Manish Tibdewal, Dr. Rupesh Mahamune	Classification of heart Sound signals using spectral features for diagnosis of heart abnormality	International Conference on Futuristic Trends in Engineering , Science & Technology ICFTEST-2024	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-90580-3_16	
11	Mr.V.K.Ingle	Deep learning for soyabean disease detection with VGG-16 MODEL	IEEE TECHNIC OKNOCKD OWN-2025 (TKD-25)	National Level Student Conference,		https://drive.google.com/file/d/1o9mp0l4zRyvddPeRhrXVX9mYI_Uf-zvd/view?usp=drive_link
12	Mr.V.K.Ingle	Crop yield disease detection using deep learning	IEEE TECHNIC OKNOCKD OWN-2025 (TKD-25)	National Level Student Conference,		https://drive.google.com/file/d/1o1ZZD6R45qyFDhrQusrPckWZtbwbAc1Z/view?usp=drive_link
13	Dr. M. N. Tibdewal	Design and implementation an IoT solution to address the challenges of remote patient monitoring and improve healthcare	4 th Biennial International Conference on future Learning Aspects of Mechanical Engineering (FLAME - 2024)	Scopus	https://link.springer.com/chapter/10.1007/978-981-96-7214-1_4	https://drive.google.com/file/d/1RY87tNRMMxZMk_SgflIpofIKVrLR9ddo/view?usp=sharing



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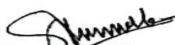
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14	Dr. M.N. Tibdewal	Priority based congestion controlling mechanism for wireless sensor network: A Survey	4 th Biennial International Conference on future Learning Aspects of Mechanical Engineering (FLAME - 2024)	Scopus	https://link.springer.com/chapter/10.1007/978-981-96-7214-1_21	https://drive.google.com/file/d/1RY87tNRMMxZMk_SgflIpofIKVrLR9ddo/view?usp=sharing
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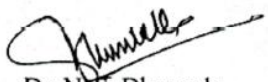
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Department of Electronics and Telecommunication Engineering
Number of patent/Copyright by faculty (2024-25)

Sr. No.	Name of Inventors	Application No. / Publication No.	Title of the Invention	Status	link for proof
1	Kamlesh Kahar, Santosh Patil	202421043408 A	A DATA ANALYTICS CONFIGURATION FOR AN UNMANNED AERIAL VEHICLE	Published	https://drive.google.com/file/d/12_ROb6cIq_4niCovEiXliq-3ycMVgQPO/view?usp=sharing
2	Kamlesh Kahar, Santosh Patil	442739-001	Tail for Monitoring and surveillance of unmanned aerial vehicles	Published	https://drive.google.com/file/d/1aOuYfjS6YGdVdtRbvMxZDsX6USnRFq_w/view


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