



ARMY INSTITUTE OF TECHNOLOGY

Dighi Hills, Alandi Road, Pune 411 015

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

STAFF ACTIVITY (A.Y. 2024-25)



• Publications (Journal): Academic Year (1 July 2024 to 30 June 2025)

Sr. No	Name of Authors	Title of Paper	Name of Journal	National/ International	ISSN No.	Vol/ Issue No.	Page No.	Date/ Year	Indexing Scopus/ SC I/ SCIE/ W OS/ UGC Approved/ Other	h-Index of Journal
1.	Abhay Khonje (Ext), Dr. B.P. Patil	Scheduling Strategy for Charging and Discharging of Electric Vehicles to Reduce the Cost based on Hybrid Local Optimum and Global Optimum Scheme	SSRG International Journal of Electronics and Communication Engineering	International	2348-8549	Vol 12 Issue 3	79-87	March 2025	Scopus (Q4)	-
2.	SB Patil (Ext), Dr. B P Patil , SV Tathe (Ext), SS Lokhande (Ext), SD Lokhande (Ext).	A Rotation Invariant Retinal Vessel Extraction Approach Using A Novel Image Enhancement Technique Coupled With High Boost Filtering.	Biomedical Engineering: Applications, Basis and Communications (BME)	International	Online: 1793-7132 Print: 1016-2372	Vol. 37, No. 03,	2450 053,	Jun 2025,	Scopus (Q4)	27
3.	Ritik Kumar, Ronak Sharma, Sridayal Yadav, Dr. Shraddha Oza	Unified Gas Dispersal Management System	International Journal of Research Publication and Reviews	International	2582-7421	Vol 6, Issue 3	9430 - 9435	March 2025	-	-
4.	Samik Choudhury, Shivam Gupta, Rohit Yadav, Dr Shraddha Oza	New Global Parking System	International Journal of Scientific Research & Engineering Trends	International	(Online): 2395-566X	Volum e 11, Issue 2,		Mar-Apr-2025	-	-
5.	Dr. Renuka Bhandari , Pankaj Kumar, Lakshyadeep Patel, Naveen Kumar.	Yoga Pose Detection using Machine Learning	Journal of Electrical Systems	International	1112-5209	Vol. 20 No. 3	9566 - 9570	2024	-	22
6.	Dr. Rajashree Suryawanshi Dr B. P. Patil	Optimized antenna selection for mm-wave MIMO communication systems	EURASIP Journal on Wireless Communications and Networking	International	https://doi.org/10.1186/s13638-025-02436-1	2025: 9	1 - 28	23 Feb 2025	ESCI (Q2)	-
7.	Suresh Limkar (Ext),	Evaluating the Impact of Telemedicine on Patient	Frontiers in Health Informatics	International	2676-7104	Vol 13:	497-508	Oct-2024	Scopus (Q4)	07



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	Dr. Latika Rahul Desai (Ext), Dr. Lalita Kiran Wani (Ext), Dr. Smita Desai (Ext), Dr. Priti Shende (Ext), Prof. Jitendra Jawale.	Care and Health Outcomes with Data-Driven Approaches in Remote Health Monitoring Systems				Issue 2				
8.	Girish Kapse, Abhinav Kumar, Basant Kumar, Vikash Kumar	Iot Based Soil Nutrients Monitoring Decision System	International Journal of Innovative Science and Research Technology	International	ISSN: - 2456-2165.	Vol 10, Issue 4	1746 - 1749	29 Apr 2025	-	-
9.	Snehal Marathe, Dr. B. P. Patil, Shobha Waghmode (Ext).	Mathematical Modeling in Natural Extract Anti-Reflection Coatings using Green Synthesis Method	Engineering, Technology & Applied Science Research	International	https://doi.org/10.48084/e-tasr.7525	Vol. 14, No. 4,	1587 1-1587 5	Aug-2024	Scopus (Q2)	-
10.	Dr. Sandeep Bidwai, Ankit Kumar, Adarsh Kumar, Suraj Kumar Jha.	ML Iot-Based Automatic License Plate Recognition System.	International Journal for Multidisciplinary Research (IJFMR)	International	E-ISSN: 2582-2160,	Vol 7, No 3.	1-14	17 Jun 2025	Scopus	-
11.	Divya Jain, Debendra Kumar Panda, Smita Prajapati, Suyog Munshi, Mahima Jain, Supriya Kalamkar.	Comparative Analysis of UPMC and GFDM Modulation Techniques in 5G New Radio, 2025,	Journal of Neonatal Surgery	International	ISSN(Online): 2226-0439 Scopus Indexed	Vol. 14, Issue 18s	1387 - 1395	2025	Scopus (Q3)	-
12.	Aman Varma, Amritpal Singh, Lakhan, S B Chougule	Smart Home Automation System Using ESP32 Module with Smart Security System	International Journal of Scientific Research and Engineering Trends	International	Online: 2395-566x	V11-12	-	Apr 2025	Google Scholar	-



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13.	Pranita Bhosale Dr. Sangeeta Jadhav	A Comparative Analysis of Predictive Monitoring Systems Utilizing Machine Learning and Deep Learning Algorithms	Journal of Information Systems Engineering and Management	International	e-ISSN: 2468-4376	Volume 10, Issue 7S	229-240	Jan 2025	Scopus (Q3)	-
14.	Priya Dasarwar (Ext), Uma Yadav (Ext), Kevin Morris (Ext), Nekita Chavhan (Ext), Shweta Bondre (Ext), Supriya Kalamkar	Revolutionizing Tuberculosis Prediction: A Cutting-Edge Approach	Engineering, Technology & Applied Science Research.	International	eISSN 1792-8036 pISSN 2241-4487	Vol: 15 Issue: 3	2292 9-2293 6	4 Jun 2025	Scopus (Q2)	
15.	Uma Yadav (Ext), Priya Dasarwar (Ext), Shweta Bondre (Ext), Supriya Kalamkar	A Hybrid Approach for Robust Deep Fake Image Detection using Spatial and Frequency Domain Features	Engineering, Technology & Applied Science Research.	International	eISSN 1792-8036 pISSN 2241-4487	Vol: 15 Issue: 3	2292 9-2293 6	4 Jun 2025	Scopus (Q2)	
16.	Monica Shivaji Gunjal Pramodkumar H. Kulkarni (Ext)	A novel competitive cuckoo search algorithm for node placement in wireless sensor networks	International Journal of Electrical and Computer Engineering	International	ISSN: 2088-8708 DOI: 10.11591/ijece.v15i2	Vol. 15, No. 2	1735 ~174 4	Apr 2025	-	-

Note : SCI – Scimago Citation Index (Refer Web link - <https://www.scimagojr.com>)

JCR – Joint Citation Report (Search on google for JCR report for year of publication)



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• Publications (Conference): Academic Year (1 July 2024 to 30 June 2025)

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Level Local /State /National/ International	ISBN	Page No.	Date/Year of Conference	Present ed (Y/N)	Indexi ng If Any
1.	Dr. Sharayu Lokhande, Ankush Maity, Sourabh Kumar Lenka, Roshan Pious, Vishal Choudhary, Dr. Shilpa Pawar	Frame Acceleration and Super Resolution for Video Enhancement using GNN	8 th International Conference on Computing, Communication, Control and Automation (IEEE)	International	978-8-3503-9177-0	DOI: 10.1109/iccucba61740.2024.10775200	Aug 2024	Y	-
2.	Swapnendu Chakrabarti, Hemank Singh, Deepanshu Yadav, Ms. Pragati Rana	Authentication System Combining Optical Character Recognition And Error Level Analysis	Asia Pacific Conference on Innovation in Technology (APCIT 2024)	International	979-8-3503-6153-7	10.1109/APCIT62007.2024.10673536	26 - 27 July 2024	Y	-
3.	Ms. Pragati Rana Dr. B.P. Patil	Cyber Security Threats Detection and Protection in IoT Devices Using S-Run-Based Deep Neural Network	International Conference On Electrical, Computer & Energy Technologies (ICECET 2024)	International	979-8-3503-9591-4	10.1109/ICECET61485.2024.10698326	25 - 27 July 2024	Y	-
4.	Ms. Pragati Rana Dr. B.P. Patil	A Highly Secured Cyber Security Threat Detection and Prevention System for IoT Using He-DNN	8th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)	International	979-8-3503-5442-3	10.1109/ISMSIT63511.2024.10757263	07- 09 Nov 2024	Y	Scopus
5.	Gayatri D. Londhe (Ext), Monica Gunjal Amruta Thorat (Ext), Kailash Karad (Ext), Pramodkumar Kulkarni (Ext). Armaan Suhel Shaikh	Image Processing Detection System for Vehicle Overspeed	2024 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	International	979-8-3503-6456-9/24	10.1109/NKCon62728.2024.10774719	21-22 Sept 2024	Y	-



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- **Book Article/ Chapter published: Academic Year (1 July 2024 to 30 June 2025)**

Sr. No.	Name of Authors	Title of Chapter/Article	Name of book	ISBN	National /International	Vol	Page no.	Publisher Details	Date /Year
1	Dr. Sushma Patil Dr. Avinash Patil	A novel Implementing approach for Compute Cube Confirming Low Device Utilization on FPGA	Science and Technology: Developments and Applications	Accepted				B P International	
2	Dr. Avinash Patil Dr. Sushma Patil	A Fast Optimized Architecture to Perform Multi Bit Permutation Operation	Science and Technology: Developments and Applications	Accepted				B P International	

- **Book Published: Academic Year (1 July 2024 to 30 June 2025)**

Sr. No.	Name of Authors	Name of Book	ISBN	Local /National /International	Publisher Details	Edition	Date/Year
1.	Dr G R Patil Dr S S Naghate (Ext), Dr. R D Kanphade (Ext).	Digital Communication	978-93-6993-161-3	National	Nirali Prakashan	First	May 2025




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