



# ARMY INSTITUTE OF TECHNOLOGY

Dighi Hills, Alandi Road, Pune 411 015

## DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

### STAFF ACTIVITY (A.Y. 2023-24)



#### • Publications (Journal): Academic Year (1 July 2023 to 30 June 2024)

Sr. No	Name of Authors	Title of Paper	Name of Journal	National/International	ISSN No.	Vol/ Issue No.	Page No.	Date/ Year	Indexing Scopus/SCI/SCIE/WOS/UGC Approved/ Other	h-Index of Journal
1.1	Amar Barik, Saumyakanta Khatua, Abhishek Rana, <b>Dr. Gajanan R Patil</b>	Data Logging and Analysis in an Unmanned Aerial Vehicle- Assisted Internet of Things Network	Journal of Engineering, Project, and Production Management	International	2221-6529 (P) 2223-8379 (O)	Vol.1 4 No.1	006	Jan 2024	Scopus	07
1.2	Avinash P. Moholkar (Ext), Deepak S. Bankar (Ext), <b>Dr. Parashuram B. Karandikar.</b>	Supercapacitor based cost effective hybrid energy storage system with reduction in battery size for diesel generator cold cranking.	Indonesian Journal of Electrical Engineering and Computer Science	International	2502-4752	Vol. 31, No. 1	22-32	July 2023	Scopus	31
1.3	S B Abrish Aaditya, <b>Parashuram B Karandikar,</b> <b>Mahima Jain,</b> Jaywant Suryawanshi (Ext), Aditi Bellam (Ext), Datta Chavan (Ext), Rajesh Holmukhe (Ext), Parag S. Chaudhari (Ext), Abhishek Gandhar(Ext).	Thermal profiling of ultracapacitor modules : A layered analysis	Journal of Information and Optimization Sciences	International	Print ISSN: 0252-2667 , Online ISSN: 2169-0103	Volume 45,20 24   Issue 2	291-303	17 Mar 2024	ESCI	-
1.4	Deepali Newaskar (Ext), <b>Dr. B P Patil.</b>	Rechargeable Active Implantable Medical Devices (AIMDs)	International Journal of Online and Biomedical Engineering (iJOE)	International	2626-8493	Vol. 19 No. 13	108 - 119	19 Sep 2023	Scopus	16
1.5	Dr. Renuka Bhandari Ritu, Bellana Arvind.	Aquaculture Supervision and control System Using IoT	International Journal of Computer Science & Mechatronics	International	2455-1910	Vol 10 Issue 1	20-24	2024	Peer Reviewed	8.05 (SJIF)
1.6	E. Silambarasan (Ext), <b>Rajashree Suryawanshi</b> S. Reshma (Ext).	Enhanced cloud security: a novel intrusion detection system using ARSO algorithm and Bi-LSTM classifier	International Journal of Information Technology	International	ISSN: 25112104 EISSN: 25112112	<a href="https://doi.org/10.1007/s41870-024-01887-x">https://doi.org/10.1007/s41870-024-01887-x</a>	-	4 May 2024	Scopus	34



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1.7	<b>Dr. Preeti Warriar,</b> Pritesh Shah (Ext), Ravi Sekhar (Ext).	A Comparative performance evaluation of a complex-order PI controller for DC-DC converters	Results in Control and Optimization	International	2666-7207	Vol 15	-	Mar 2024	Scopus	05
1.8	Nilesh J. Uke (Ext), Sharayu A. Lokhande, Preeti Kale (Ext), <b>Dr. Shilpa Devram Pawar,</b> Aparna A. Junnarkar (Ext), Sulbha Yadav (Ext), Swapna Bhavsar (Ext), Hemant Mahajan (Ext).	Distributed privacy preservation for online social network using flexible clustering and whale optimization algorithm	Cluster Computing: The Journal of Networks, Software Tools and Applications	International	ISSN: 1386-7857 / eISSN: 1573-7543		-	19 Feb 2024	SCI	-
1.9	<b>Ms. Snehal A. Marathe,</b> <b>Dr. B P Patil,</b> Dr. Shobha Ajeet Waghmode (Ext), Trupti Sakharam Zaware (Ext).	Analyses of Monometallic Nano Particle Coatings to Increase Solar Panel Efficiency	TuijinJishu/Journal of Propulsion Technology	International	1001-4055	Vol 44 No.6	2516-2536	Dec 2023	Scopus	24
1.10	<b>Snehal A. Marathe,</b> <b>Dr. B.P. Patil,</b> Shobha Ajeet Waghmode (Ext), Trupti Sakharam Zaware (Ext).	Green TiO <sub>2</sub> Nano Particals to Boost the Performance of Green Solar Panels	International Journal of System of Systems Engineering	International	ISSN : 1748-0671 eISSN: 1748-068X	Vol. 14, No. 3	310-323	1 May 2024	Scopus	20
1.11	Ms. Dhanashri Patil Dr. Sangeeta Jadhav	Road Network Extraction Using Multi-path Cascade Convolution Neural Network from Remote Sensing Images	Journal of the Indian Society of Remote Sensing	International	0255-660X / 0974-3006	52	03	5 Mar 2024	SCIE and Scopus (Q2)	50
1.12	<b>Pragati Rana,</b> Sanjeev Chauhan(Ext), <b>Dr. B. P. Patil</b>	Cyber Security Threats Detection in IoT Using Krill	Wireless Personal Communications	International	0929-6212 /	Vol - 135	299-322	30 Apr 2024	SCIE	82



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		Based Deep Neural Network Stacked Auto Encoders			1572-834X					
1.13	Dr. Nilesh Uke (Ext), Dr. Priya Pise (Ext), <b>Mr. Ashish Dudhale</b> Dr Akhilesh Kumar Mishra (Ext).	Social Media Security Techniques using Blockchain over cloud computing	European Chemical Bulletin 2023	International	2063-5346 Section A	Vol - 12 (S2)	2374 - 2381	2023	-	11
1.14	Dr. Priya Pise (Ext), <b>Mr. Ashish Dudhale</b> , Dr. Nilesh Uke (Ext), Dr Akhilesh Kumar Mishra (Ext).	Machine Learning And Visual Computing Observation System	Journal of Data Acquisition and Processing	International	1004-9037	Vol 38 Issue 3	5060-5067	05 Jul 2023	Scopus	17
1.15	Anup Vibhute (Ext), <b>Ms. Pranita Bhosale</b> , Nikita Maralbhavi(Ext), Shailesh Galande (Ext), Mokshada S. Bhandare(Ext).	Face Sketch to Image Generation using Generative Adversarial Network	International Journal on Recent and Innovation Trends in Computing and Communication	International	2321-8169	Vol: 11 Issue: 10	669 - 675	Sept 2023	Scopus	06
1.16	Saylee S. Bidwai (Ext), Dr. Sridhar Iyer (Ext), <b>Dr. Sandeep S. Bidwai.</b>	Area-Optimized, Credit-Based, Flow Control Buffered NoC Router	International Journal of Intelligent Systems and Applications in Engineering	International	2147-6799	Vol 12, No 14s	328-337	02 Feb 2024	Scopus	09
1.17	Nikita Chaudhary (Ext), <b>Komal Gill</b> Mansi Pahuja (Ext), Seema Rani (Ext), Subhabrata Das (Ext), Manoj Kumar Choudhary (Ext), Shumile Ahmed Siddiqui (Ext), Daya Rani (Ext), Mohd Afshan (Ext),	Silicon Distyryl-BODIPY Hybrid Phototype: Moving a Step Ahead From Organic Interface Layer to Type II Band Alignment	Journal of Alloys and Component	International	10.1016/j.jallcom.2023.173389	Volum e 978	-	25 March 2024	SCIE	-



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	Rishita Ghosh (Ext), Sk Riyajuddin (Ext), Soumyaditya Mula (Ext), Kaushik Ghosh (Ext).									

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 2023 to 30 June 2024)

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Level Local /State/National/ International	ISBN	Page No.	Date/Year of Conference	Presented (Y/N)	Indexing If Any
2.1	Vaibhav Saini (Ext), Ayushi Jain (Ext), Pritesh Shah (Ext), Ravi Sekhar (Ext), <b>Dr. Preeti Warrior.</b>	Automated Driving Capabilities using advanced software tools to improve optimization for Autonomous Vehicle in Industry 4.0	First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI 2023)	International	DOI:10.1109/ICAEECI582.47.2023.10370968	-	19 – 20 Oct 2023	Y	-
2.2	Ms Dhanshri Patil, Dr. Sangeeta Jadhav.	De-noising and Road Extraction from High-resolution Images using Fully Convolutional Network	11th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2024 IEEEExplore	International	978-93-80544-51-9	1810-1815	28 Feb - 01 Mar 2024	Y	Scopus
2.3	<b>Mrs. Sharayu A Lokhande</b> <b>Mrs. Shilpa Pawar</b> Mrs. Neha Chuahan (Ext).	Analysis of Secure Vehicular Ad Hoc Network Communications in IoT-Enabled Healthcare	2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	International	979-8-3503-6052-3	01 - 06	14 – 16 Mar 2024	Y	



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- **Book Article/ Chapter published: Academic Year (1 July 2023 to 30 June 2024)**

Sr. No.	Name of Authors	Title of Chapter/Article	Name of book	ISBN	National /International	Vol	Page no.	Publisher Details	Date /Year
NIL									

- **Book Published: Academic Year (1 July 2023 to 30 June 2024)**

Sr. No.	Name of Authors	Name of Book	ISBN	Local /National /International	Publisher Details	Edition	Date/Year
NIL							