



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Information Technology



Publications (Journal): Academic Year (June 2023 - May 2024)

Sr. No.	Name 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	Impact factor (SJR/JCR)
1	Dr. Dipika R. Birari	A Comparative Analysis of Machine Learning Models for Soil Health Prediction and Crop Selection	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	International	2147-6799	11(10s)	812-828	Aug-23	Scopus	-
2	Dr. Dipika Birari, Dr. Gajanan Walunjkar, Aarti Dandavate, Sonali Mallinath Antad, Sheetal Phatangare	Integrated Approach for Emotion Detection via Speech and Text Analysis	International Journal on Recent and Innovation Trends in Computing and Communication	International	2321-8169	Vol. 11 No. 7 (2023)	282-293	Sep-23	-	-
3	Gajanan Walunjkar, Dipika Birari, Rahul Desai, Yuvraj Gholap	Energy Efficient Routing in Group and Disaster Mobility: Comparative Analysis	International Journal Of Intelligent Systems and Applications in Engineering	International	2147-67992	024, 12(4s), 88-94	88-94	Nov-23	Scopus, WoS	-



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4	Dr. Uddhav T. Kumbhar (External), Dr. G Shaber Ali(External), Dr. Ajinkya Bahulekar(External), D.B. Bhoyar(External), Dr. Dhairyashil Patil(External), Dipika R. Birari	Assessing the Impact of Health Policy Reforms on Vulnerable Populations: A Social Science Perspective	South Eastern European Journal of Public Health	International	2197-5248	Volume XXI 2023	126 – 137	Dec 2023 – Jan 2024	Scopus (Q4) SJR 2022 = 0.15	-
5	Dipika R. Birari, Kalyan Devappa Bamane(External), Pratik Bibhishan Kamble(External), Tanaji Anandrao Dhaigude(External), Ravindra B.Shendge(External), Aarti Dandavate(External)	Towards a Holistic Approach to Chronic Disease Management: Integrating Federated Learning and IoT for Personalized health Care	Journal of Electrical Systems	International		Vol. 19 No. 3 (2023)	15-22	Jan-24	Scopus (Q3) SJR 2022=0.22, ESCI	-
6	Aparna Joshi (External), Rupali Bagate, Yogita Hambir, Ashwini Sapkal, Nilesh P. Sable (External),	System for Detection of Specific Learning Disabilities Based on Assessment	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	International	2147-6799	12(9s), 362–368	362-368	Jan-24	Scopus	-



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	Mahesh Lonare									
7	Yuvraj Gholap	A Method for Unsupervised Ensemble Clustering to Examine Student Behavioral Patterns	International Journal Of Intelligent Systems and Applications in Engineering	International	2147-6799	12 (16s)	417-429	Jan-24		-
8	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	09743006, 0255660X	DOI - https://doi.org/10.1007/s12524-024-01827-z	-	Mar-24	Scopus Indexed	-
9	Savita Jadhav, Dr Sangeeta Jadhav	DIRED: Dual Indicator Random Early Detection for Congestion Control in WSN	International Journal of Communication System	International	1099-1131, 1074-5351	https://doi.org/10.1002/dac.5854		May-24	Wiley Online Library, Scopus Indexed	=
10	Aparna Joshi P.Namratha, T Venkata Naga Jayudu, Ashwini Sapkal, Rupali Amit Bagate, Gajanan	Deep Learning Based Traffic Classification with Feature Selection Mechanism and Explainable Artificial Intelligence (Xai)”	International Journal of Intelligent Systems and Applications in Engineering	International	2147-6799	12(3)	2343-2354	May-24	Scopus Indexed	=



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	Walunekar									
11	Nikita Singhal, Rupali Bagate Devansh Bhadoria Shivanshu Singh Vidushi Singh Yogesh	Masked Statement Classification in Conversational Text	Journal of Electrical Systems	International		20-2	443-456	May 24	Scopus Indexed	-
12	Dipika R. Birari,	Adaptive Learning Technologies for Personalized Research Assistance in Libraries	Library Progress International	International	eISSN: 2320-317X	44(1)	242-258	Jun 24	NIL	



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Publications (Conference): Academic Year (June 2023 - May 2024)

Sr. No.	Name Authors	Title of paper	Name of Conference	Local level/ State Level/ National/ International	ISSN	Page No.	Date/Year of Conference	Indexing if any
1	Dr. Dipika Birari	Emotion Detection using Speech and Text Recognition: an Overview	International Conference on Data Science and Network Security (ICDSNS 2023)	International	-	-	Jul-23	28 and 29 July 2023.
2	Rupali Bagate, R Suguna (External), Aparna Joshi (External), Nilesh Sable (External)	Sarcasm Detection on Reddit Political Text: An Explainable AI Approach	International Conference on Artificial Materials, & Mechatronics Systems	International	-	-	3-4 Nov 2023	Published in SCOPUS Indexed proceedings and journals
3	Dipika Birari, Rupali Bagate	Enhancing Women's Safety and Security through Panic Button Systems	International Conference on recent trends in Engineering and Technology	International	-	-	24th to 25th November 2023	-
4	Dr. Rahul Desai, Akash Singh, Himanshu Yadav, Dipankar Kumar Singh	Anomaly Detection In Multivariate Time Series Data Using Transformer Network	International Congress on Scientific Research	International	-	-	17 May to 19 May 2024	-



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Books published Academic Year (June 2023 - May 2024)

Sr. No.	Name Authors	Title	ISBN	National/ International	Vol
1	Dr. G M Walunekar	Machine Learning	9788119117857	Local	Aug-23
2	Dr. G M Walunekar	Industrial Internet of Things	9788119117826	Local	Aug-23