



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



Publications (Journal): Academic Year (July 2022 - June 2023)

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
01	Smita Kulkarni (External), Dr. Sangeeta Jadhav	Group Activity Recognition Based on Interaction Contextual Information in Videos Using Machine Learning	International Journal of Next-Generation Computing (IJNGC)	International	Online ISSN: 0976-5034 Print ISSN : 2229-4678	VOLUME 13, ISSUE 2, JULY 2022	141-150	July 2022	ESCI
02	Prof. Gajanan Walunjkar, Prof. Yuvraj Gholap, Dr. Rahul Desai, R Sankalp Shukla (External)	Prediction of Market Trends using Machine learning	International Journal of Next-Generation Computing (IJNGC)	International	Online ISSN: 0976-5034 Print ISSN : 2229-4678	VOLUME 13, ISSUE 2, JULY 2022	181-188	July 2022	ESCI
03	Aparna Shashikant Joshi, Shyamala Devi Munisamy (External)	In-depth analysis of dynamic degree load balancing technique in public cloud for heterogeneous cloudlets	Indonesian Journal of Electrical Engineering and Computer Science, DOI: 10.11591/ijeecs.v27.i2.pp1119-1126	International	2502-4752	Vol. 27 Issue 2	1119-1126	Aug 2022	Scopus
04	Ms Dhanshri Patil and Dr. Sangeeta Jadhav	Road Segmentation in High-Resolution Images Using Deep Residual Networks	Engineering, Technology & Applied Science Research (ESCI Journal)	International	-	Vol. 12, no. 6	9654-9660	Oct 2022	ESCI
05	Rupali Amit Bagate, R Suguna (External)	Sarcasm Detection with and without #Sarcasm: Data Science Approach	International journal of information science and management (ijism)	International	E-ISSN: 2008-8310 ISSN: 2008-8302	Vol 20, No 4 (2022)	-	Oct 2022	Scopus Indexed



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06	Rupali Amit Bagate, R Suguna (External)	Sarcasm Detection on tweets: Ensemble approach	International Journal of Next generation and computing	International	ISSN (print): 0219-2659 ISSN (online): 1793-671	Volume 13, Special Issue 3, October 2022	-	Oct 2022	ESCI
07	Rupali Bagate, Aparna Joshi, Shilpa Pawar, Yogita Hambir, Sharayu Lokhande	Movie Recommendation Using Clustering and Nearest Neighbour	International Journal of Next generation and computing	International	ISSN (print): 0219-2659 ISSN (online): 1793-671	Volume 13, Special Issue 3, October 2022	-	Oct 2022	ESCI
08	Dipika Birari, Dilendra Hiran (External), Vaibhav Narawade (External)	Constraint and Descriptor Based Image Retrieval through Sketches with Data Retrieval using Reversible Data Hiding	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	International	ISSN:2147-67992147	10(1s)	109-427	Oct 2022	Scopus Indexed
09	Gajanan Madhavrao Walunjkar, Dr. V. Srinivasa Rao (External)	Behavior of Dynamic Routing Protocol for Disaster Area Scenario	International Journal of Next-Generation Computing,	International	Online ISSN: 0976-5034 Print ISSN : 2229-4678	Vol. 13, No. 4,	862-873	Nov 2022.	ESCI
10	Rupali Amit Bagate, Ramadass Suguna (External)	Sarcasm Detection on Text for Political Domain— An Explainable Approach	International Journal on Recent and Innovation Trends in Computing and Communication	International	ISSN: 2321-8169	Volume: 10 Issue: 2s	255-268	Dec 2022	Scopus
11	Dipti Pandit (External), Dr. Sangeeta Jadhav	2D Face Emotion Recognition and Prediction Using Labelled Selective Transfer Machine and CNN Transfer Learning Techniques for Unbalanced Datasets	International Journal of Intelligent Systems and Applications in Engineering (IJISAE),	International	2147-6799	Vol. 10, Issue 4, 2022	269-277	16 Dec 2022	Scopus
12	Dr. Ashwini Sapkal	Lane detection techniques for self-driving vehicle: comprehensive review	Multimedia Tools and Applications	International	13807501, 15737721			10 March 2023	Scopus



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13	Roshani Raut, Ashwini Sapkal, Vaishali Ingale, Pradnya Borkar, Parul Bhanarkar	Assessment of diabetic retinopathy progression using CNN from ocular thermal images	Soft Computing	International	14327643, 14337479	DOI 10.1007/s00500-023-08238-1	-	26 th April 2023	Scopus
14	Sakhare, N, Bangare, J, Ajalkar, D, <u>Walunekar, Gajanan</u> , Borawake, M, & Ingle, A	Intelligent Conversational Agents Based Custom Question Answering System	International Journal of Intelligent Systems and Applications in Engineering	International	2147-6799	Vol 11 No 65	-	June 2023	Scopus (Q3)



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Publications (Conference): Academic Year (June 2022 - May 2023)

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
01	M. Shyamala Devi (External), P. S. Ramesh (External), Aparna Joshi.	Probable Deviation Outlier based Classification of Obesity with Eating Habits and Physical Condition	International Conference on Soft Computing And Signal Processing (ICSCSP-2022)	International	2190-3018		24-25 June 2022	SCOPUS indexed Springer book series "Smart Innovation, Systems and Technologies (SIST)
02	Savita Jadhav (External), Dr (Mrs) Sangeeta Jadhav	KPSO: K-Mean and PSO based clustering algorithm for wireless Sensor Network	6th International Conference on "Computing, Communication, Control and Automation", ICCUBEA-2022 by PCCOE, Pune	International	-	-	26 th and 27 th Aug 2022	IEEE Conference
03	Dipankar Kumar Singh, Dr. Rahul Desai, Mrs. Geeta Patil	Fraud Detection Using Machine Learning	UMTEB International Scientific Research Congress-Xii By Mata Sundri College for Women, University Of Delhi	International	-	-	August 13-15, 2022	-
04	Dr. Rahul Desai, Mrs. Geeta Patil	Detection and Prevention of Black Hole Attack under AODV Routing Protocol	International Scientific Research And Innovation Congress	International	-	-	26-27 AUGUST 2022	-
05	Prof. G M Walunjkar. Dr. Rahul Desai	Dynamic Image/Video Captioning Using Convolutional Neural Networks and LSTM	2 nd International Architectural Sciences and Applications Symposium	International	-	-	September 09-11, 2022	-
06	Prof. Yuvraj Gholap, Prof. G M Walunjkar, Dr. Rahul Desai	License Plate Detection and Recognition	International Virtual Conference on Recent Trends in Applied Mathematics	International	-	-	07 Oct 2022	-
07	Ankit Kumar, Dr. Ra-hul Desai, Prof. Yuvraj Gholap	Finger Reader for Blind Peoples	International Virtual Conference on Recent Trends in Applied Mathematics	International	-	-	07 Oct 2022	-
08	Archana Kumari, Dr. Rahul Desai, Prof. Yuvraj	Mental Health Analysis using Machine	International Virtual Conference on Recent	International	-	-	07 Oct 2022	-



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	Gholap	Learning and Artificial Intelligence	Trends in Applied Mathematics					
09	Dr. Rahul Desai, Prof. Yuvraj Gholap	Hand Sign Recognition using Deep Learning	International Virtual Conference on Recent Trends in Applied Mathematics	International	-	-	07 Oct 2022	-
10	Amit Kumar Sharma, Dr. Rahul Desai, Prof. G M Walunjkar	Blockchain in HealthCare	International göbeklitepe scientific research congress	International	-	-	07-08 Oct 2022	-
11	Ankit Kumar, Dr. Rahul Desai, Prof. Yuvraj Gholap	Finger Reader For Blind People	International göbeklitepe scientific research congress	International	-	-	07-08 Oct 2022	-
12	Rajveersinh Gohil, Dr. Rahul Desai	Detection of Covid-19 using speech & voice analysis through Machine Learning	International Virtual Conference on Recent Trends in Applied Mathematics	International	-	-	07 Oct 2022	-
13	Rupali Bagate, Aparna Joshi, Abhilash Trivedi, Anand Pandey & Deepshikha Tripathi	Survey on Algorithmic Trading Using Sentiment Analysis	6th International Conference on Advance Computing and Intelligent Engineering Lecture Notes in Networks and Systems (LNNS, volume 428)	International	ISSN 2367-3370 ISSN 2367-3389	241-252	Sep 2022	Scopus Springer
14	Rupali Bagate, Aparna Joshi, Narendra Kumar Yadav, Aman Singh, Gaurav Singh Dhek & Naincy Rathore	Survey on Accent Correction and Region Prediction	6th International Conference on Advance Computing and Intelligent Engineering Lecture Notes in Networks and Systems (LNNS, volume 428)	International	ISSN 2367-3370 ISSN 2367-3389	371-381	Sep 2022	Scopus Springer
15	Mrs. Aparna Joshi	Batch Normalized Siamese Network Deep Learning Based Image Similarity Estimation	2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT 2023)	International			22 – 24, February 2023	IEEE
16	Sangeeta D Jadhav, Smita Kulkarni (External)	Insight on Human Activity Recognition Using the Deep Learning Approach	5 th IEEE International Conference on “Emerging Smart Computing &	International			1 – 3 March 2023	IEEE



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			Informatics" (IEEE ESCI-2023)					
17	Prof. Yuvraj Gholap, Dr. Rahul Desai	License Plate Detection and Recognition including unconstrained capture scenarios	International Conference on Emerging Engineering Technologies (ICEET 2023)	International			March 11-12, 2023	-
18	Dr. Rahul Desai, Prof. G M Walunjkar	Reducing Routing Overhead in Multi-hop wireless communication	International Conference on Emerging Engineering Technologies (ICEET 2023)	International			March 11-12, 2023	-
19	Dr. G M Walunjkar, Dr. Rahul Desai	DETECTION OF COVID-19 USING SPEECH & VOICE ANALYSIS	International Conference on Emerging Engineering Technologies (ICEET 2023)	International			March 11-12, 2023	-
20	Dr. Rahul Desai	Predicting the expected popularity of a song before release using a machine learning	International Conference on Emerging Engineering Technologies (ICEET 2023)	International			March 11-12, 2023	-
21	Prof. Vaishali Ingale,	Deep Lightning Network For Object Detection In Low Light Environment	International Conference on Emerging Engineering Technologies (ICEET 2023)	International			March 11-12, 2023	-
22	Sangeeta D Jadhav, Harish Kumar Bajiya, Manoj Kumar Rewar, Rohan Khandkole, Rohit Kumar	Insight on Real time Automated Cloth Deformity Detection Using Deep learning Technique	International Conference on Advances in Engineering and Technology for Intelligent Systems (ICAETIS-2023)	International			16 th – 18 th May 2023	Will be published in UGC Care/Scopus Indexing Journal
23	Dr. Dipika Birari	Blockchain based skill verification system: A secure and efficient approach	International Conference on innovation in Artificial Intelligence & Machine Learning	International	-	-	20-21 August 2022	-



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Book Article/ Chapter published: Academic Year (June 2022 - May 2023)

Sr. No.	Name Authors	Title	ISBN	National/ International	Vol	Page No.	Publisher Details	Date/Year
01	Dr. Rahul Desai, Dr K S Surekha	WBC Disease Prediction using Neural Network Classifier	2321-2055, 2321-2046	International	Volume – 5	-	DOI: https://doi.org/10.22271/int.book.152	June 2022
02	Prof. Yuvraj Gholap, Dr. Rahul Desai	License plate detection and recognition	Green IoT: Sustainable Design and E-commerce Technologies	AN Publishers	-	-	-	Oct 2022
03	Prof. G M Walunjkar, Dr. Rahul Desai	Reducing routing overhead in MANET	Green IoT: Sustainable Design and E-commerce Technologies	AN Publishers	-	-	-	Oct 2022