



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



**Publications (Journal): Academic Year (June 2021 - May 2022)**

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	Mrs. Aparna Joshi	Enhancement of cloud performance metrics using dynamic degree memory balanced allocation algorithm.	Indonesian Journal of Electrical Engineering and Computer Science	International	1697-1707	Vol 22. No 3	1697-1707	June 2021	SCOPUS Indexed
02	Mrs. Aparna Joshi	Text-To-Speech Synthesis using Melspectograms and WaveNet	Journal of Engineering, Computing & Architecture	International	1934-719715.	Vol 11 No 4	46-52	June 2021	-
03	Mrs. Rupali Bagate	Sarcasm Detection of Tweets without #Sarcasm Data Science Approach	Indonesian Journal of Electrical Engineering and Computer Science	International	ISSN: 2502-4752 e-ISSN: 2502-4760	Vol. 23, No. 2	pp 993-1001	August 2021,	SCOPUS Indexed



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04	Dr. Sangeeta Jadhav	Machine Learning Model for Group Activity Recognition Based on Discriminative Interaction Contextual Relationship	Hindawi Mathematical Problems in Engineering (Special Issue: In Metaheuristics and Machine Learning: Theory and Applications)	International	1024123X, 15635147	Article ID 5596312	1-9	Aug 2021	Science Citation Index Expanded (SCIE), Scopus
05	Mr. Sandeep Samleti, Ashish Mishra, Alok Jhahria, Shivam Kumar Rai, Gaurav Malik	Real Time Video Captioning Using Deep Learning	International Journal of Engineering Research & Technology (IJERT)	International	2278-0181	Vol. 10 Issue 12	360-366	Dec 2021	-



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06	Aparna Joshi, Munisamy S.D (External)	Evaluating the performance of load balancing algorithm for heterogeneous cloudlets using HDDB algorithm	International Journal of System Assurance Engineering and Management	International	09756809, 09764348	13 (1)	-	Jan 2022	ESCI (Springer Journal)
07	Aman Gupta, Yuvraj Gholap, Atul Tiwari, Alam Kathat, Sanju Baloria	Aspect of E-Prescription: Creation and Security	International Journal Of Engineering Research & Technology	International	2278-0181	11 (2)	-	Feb 2022	-



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**Publications (Conference): Academic Year (June 2021 - May 2022)**

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	Mrs. Vaishali Ingale	GENNET: Reading Comprehension With Multiple Choice Questions Using Generation and Selection Model	International Conference on Communication and Information Processing (ICCIP-2021)	International	-	-	26th and 27th June 2021	SSRN
02	Mrs. Rupali Bagate	Survey Paper of State of Sarcasm detection and Explainable AI	International Conference on Communication and Information Processing (ICCIP-2021)	International	-	-	26th and 27th June 2021	SSRN
03	Dr Ashwini Sapkal	Keyword spotting in historical document collections without segmentation using the Siamese Network	IEEE sponsored 2021 International Conference on Innovative Computing, Intelligent Communication and Electrical System (ICSES 2021)	International	-	-	24 - 25, September 2021	IEEE
04	Savita Jadhav (External), Ishwar	Comparative Study of Low-Energy Adaptive Clustering	Futuristic Communication and Network	International	Print ISBN:978-981-16-	-	Oct 2021	Springer Publications - Book



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	Panpaliya (External), Dr. Sangeeta Jadhav	Hierarchy Protocols	Technologies		4624-9Electronic ISBN: 978-981-16-4625-6			Series: Lecture Notes in Electrical Engineering
05	Aman Mishra, Dr Rahul Desai, Mr. G M Walunjkar	PLM Enhancement Development Portal	International Sciences And Innovation Congress	International	-	-	21-22 Nov 2021	
06	Aman Mishra, Dr. Rahul Desai	Analysis Of Routing Protocols For Wireless Networks	International Siirt Conference On Scientific Research, Siirt University	International	-	-	05-07 Nov 2021	
07	Rupali Bagate, Aparna Joshi, Narendra Kumar Yadav, Aman Singh, Gaurav Singh Dhek, and Naincy Rathore	Survey on Accent Correction And Region Prediction	6th International Conference on Advanced Computing and Intelligent Engineering [ICACIE 2021]	International	-	-	23-24 December, 2021	Springer Scopus
08	Rupali Bagate, Aparna Joshi, Abhilash Trivedi, Anand Pandey, and Deepshikha	Survey On Algorithmic Trading Using Sentiment Analysis	6th International Conference on Advanced Computing and Intelligent Engineering	International	-	-	23-24 December, 2021	Springer Scopus



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	Tripathi		[ICACIE 2021]					
09	Ms. Pranita Bhosale (External) Dr.Sangeeta Jadhav	Implementation of Predictive OEE (POEE) : System Engineering Approach	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor and Francis (In Process)
10	Smita S. Kulkarni (External), Dr. Sangeeta Jadhav	Group Activity Recognition Based on Interaction Contextual Information in Videos Using Machine Learning	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor and Francis (In Process)
11	Dhanashri Patil (E&TC), Dr.Sangeeta Jadhav	Road Detection from High Resolution Images using Fully Convolutional Network	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor and Francis (In Process)
12	Pranita Bhosale (External), Dr. Sangeeta Jadhav	Machine Health Monitoring: A Review	National Conference on Communication, Computational Intelligence and Learning (NCCCIL	National	-	-	Jan 2022	Taylor and Francis (In Process)



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			21)					
13	Dipti Pandit (External), Dr. Sangeeta Jadhav	Support Vector Clustering for face-based emotion predictions	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)
14	Dr. Sangeeta Jadhav, Vishal Savade, Wagh Shubham Sharad, Sunit Kumar Jena	Transfer Learning Approach for Multi-disease Classification using Chest X-ray Images	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)
15	Mrs. Savita Jadhav (External), Dr. Sangeeta Jadhav,	KACO:K-Mean clustering and ACO based data transmission in Wireless Sensor Networks	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)
16	Gajanan Walunjkar, Dr. Rahul Desai, Yuvraj Gholap, R.	Prediction Of Market Trends	National Conference on Communication, Computational Intelligence and Learning (NCCCIL	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)



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	Sankalp Shukla		21)					
17	Deeptanshu Singh Rathore, Ashwini Sapkal, Geeta Patil, Dr. Rahul Desai, Aparna Joshi	Malware Classification using Neural Network	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis (In Process) and (In Process)
18	Mr. Yuvraj Gholap, Dr. Rahul Desai, Mr. Gajanan Walunjkar, Md Zaid Alam	Study of Tourism Recommendation System	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis (In Process) and (In Process)
19	Aman Mishra, Dr. Rahul Desai, Mr. G M Walunjkar, Mr. Yuvraj Gholap	Detecting Driver Distraction Using Semi-Supervised Machine Learning	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis (In Process) and (In Process)
20	Aman Mishra, Dr. Rahul Desai, Mr. G	Performance Analysis of Routing Protocols for Ad Hoc Networks	National Conference on Communication,	National	-	-	Jan 2022	Taylor Francis (In Process) and (In Process)





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	M Walunjkar		Computational Intelligence and Learning (NCCCIL 21)					
21	Gaurav Kumar Singh, Vaishali Ingale, Prashant Kumar Singh, Grandhi Abhisar, Jatin Kumar	Smart Attendance System	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)
22	Mrs. Aparna Joshi, Mrs. Rupali Bagate, Kunal Khanra, Ajay Bohra, Roshan Rai, Deepak Tiwari	Augmented Reality based Application for Interactive Shopping Experience	National Conference on Communication, Computational Intelligence and Learning (NCCCIL 21)	National	-	-	Jan 2022	Taylor Francis and Francis (In Process)
23	Ms. Dipika Birari	Image Retrieval through sketches based on Descriptor with Data Retrieval using Reversibility Method	2022 International Conference for Advancement in Technology (ICONAT)	International	-	-	21-22 Jan 2022	-



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**Book Article/ Chapter published: Academic Year (June 2021 - May 2022)**

<b>Sr. No.</b>	<b>Name Authors</b>	<b>Title</b>	<b>ISBN</b>	<b>National/ International</b>	<b>Vol</b>	<b>Page No.</b>	<b>Publisher Details</b>	<b>Date/Year</b>
01	Dr (Mrs) Sangeeta Jadhav	An Organized Study of Congestion Control Approaches in Wireless Sensor Networks	9781032006826	International	1	1	1 <sup>st</sup> Edition Future Trends in 5G and 6G Challenges, Architecture, Applications and	Dec 2021



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**Patent/Copyright :(June 2021 - May 2022)**

<b>Sr. No.</b>	<b>Name of Inventors</b>	<b>Title</b>	<b>National/ International</b>	<b>Application No.</b>	<b>Date of filing</b>	<b>Date of publication</b>	<b>Date of Grant/Award</b>
1	Dr. Sangeeta D. Jadhav,	Predictive Overall Equipment Effectiveness (POEE) Analysis for Machine Health Monitoring Using Deep Learning	National	L-106347/2021	July 2021	-	-
2	Mrs. Rupali Bagate	Agricultural water level controlling and notification using AI and IOT-Based Technology	National	202121048705	25/10/2021	12/11/2021	-
3	Mrs. Aparna Joshi	Agricultural water level controlling and notification using AI and IOT-Based Technology	National	202121048705	25/10/2021	12/11/2021	-
4	Mrs. Dipika Birari	Bitcoin price predication using machine learning	National	202121044062	29/09/2021	26/11/2021	-