



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Computer Engineering



R&D Data 2020-21

Publications (Journal): Academic Year (July 2020 – June 2021)

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
1.	Dr S R. Dhore Kirtee Kushwaha Pankaj Malik Param Satyam Pandey Shivam Mishra	Analysis and Prediction of CIBIL Score using Machine Learning	Proteus Journal	International	0889-6348	Vol 11 Issue 6	61-65	June 2020	Web of Science
2.	Dr Jayadevan R Sankirti Sandeep Shiravale(External) Sanjeev S. Sannakki(External)	Devanagari Text Detection from Natural Scene Images	International Journal of Computer Vision and Image Processing (IJCVIP)	International	2155-6997	Vol 10 Issue 3	44-59	July 2020	UGC Approved
3.	Prof Yogita Hambir Dr Sandhya P(External)	Applying Various Machine Learning Techniques for the Classification of Web Services	Journal of Critical Reviews	International	2394-5125	Vol 7 Issue 14	1091 - 1103	July 2020	Other
4.	Prof Sushma Shirke Prof Rushali Patil	A Review on Sentiment Analysis from Multimodal Data	International Journal of Future Generation Communication and Networking	International	2233-7857	Vol 13 Issue 3	3165 - 3174	Aug 2020	ESCI Indexed



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5.	Prof Asha Sathe	My Experience: Science behind Online Teaching-Learning	International Journal of Management and Humanities,	International	2394 – 0913	Vol 5 Issue1	1-2	Sep 2020	Other
6.	Dr S R Dhore Amit Kumar Yadav Abhinay Akash Kumar Singh Garima	Merge Maneuver by Autonomous Vehicle using Reinforcement Learning in Dense Traffic	Journal of information and Computational Science	International	1548-7741	Vol 10 Issue 10	248-253	Oct 2020	Other
7.	Prof Sagar Rane Sanjeev Wagh(External) Arati Dixit(External)	Facilitating Secure and Efficient Health Information Exchange using Blockchain	International Journal of Solid State Technology	International	00381 11X	Vol 63 Issue 2	969-991	Oct 2020	Scopus
8.	Dr Jayadevan R Sankirti Sandeep Shiravale(External) Sanjeev S Sannakki(External)	Recognition of Devanagari Scene Text Using Auto-encoder CNN	Electronic Letters on Computer Vision and Image Analysis (ELCVIA)	International	1577-5097	Vol 20 Issue	55-69	Feb 2021	Scopus
9.	Prof A N Kaulage Dr Sunita Gond(External)	A Review on Exploring Clustering Algorithms for Partial Object Classification Problems Through Spatial Data Analysis Using Grid DBSCAN Technique	International Journal of Future Generation Communication and Networking	International	2233-7857	Vol 14 Issue 01	408-417	Feb 2021	ESCI indexed



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10.	Prof Anup Kadam Prof Sagar Rane Archana Saini Karandeep Singh Bajwa Ameet Rana Avinash Tiwari	Apparel Recommendation System using NLP and Deep Learning	Pensee Journal	International	0031-4773	Vol 51 Issue 3	1-16	March 2021	Other
11.	Prof A N Kaulage	Exploring Clustering Algorithms for Partial Object Classification Problems Through Spatial Data Analysis Using Grid DBSCAN Technique	Turkish Journal of Computer and Mathematics Education	International	1309-4653	Vol 12 Issue 11	3633 - 3641	March 2021	Scopus
12.	Dr N. K. Bansode Ansuman Singh Ashok Singh Devendra Singh Laxman Sharma	Online Learning Management System and Analytics using Deep Learning	International Journal of Engineering and Management Research	International	2250-0758	Vol 11 Issue 02	232-238	April 2021	Other
13.	Prof Anup Kadam Prof Sagar Rane Arpit Kumar Mishra Shailesh Kumar Sahu Shubham Singh Shivam Kumar Pathak	A Survey of Audio Synthesis and Lip-syncing for Synthetic video generation	EAI Endorsed Transactions	International	2409-9708	Vol 8 Issue 26	1-9	April 2021	Other



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14.	Prof Asha Sathe Amitav Soni Sahil Saurabh Chourasia Suraj Adhikari	Approaching Image Manipulation Detection using Yolov5	Journal of Information and Computational Science	International	1548-7741	Vol 11 Issue 04	427-432	April 2021	Other
15.	Prof. Vaishali Ganganwar Nihal Babu Pooja Kudale Rohit Singh Sandesh Tanwar	Sentiment Analysis of Legal E-mails using Plutchik's Wheel of Emotions in Quantified Format	Turkish Journal of Computer and Mathematics Education	International	1309-4653	Vol 12 Issue 6	4979 - 4987	April 2021	Scopus
16.	Prof Sharayu Lokhande Ajay Kumar Kumar Shivam Naresh Kumar Rahul Malhan	Multilabel Toxic Comment Detection and Classification	International Journal of Engineering Research & Technology (IJERT)	International	2278-0181	Vol 10 Issue 05	1-7	May 2021	Other
17.	Prof Praveen Hore Prof. Anup Kadam Pankaj Yadav Robin Singh Rudra Roy Sagar Singh	Development of speech recognition model for specially abled individuals	Journal of Information and Computational Science	International	1548-7741	Vol 11 Issue 05	382-385	May 2021	Other



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18.	Prof P R Sonawane Pragati Tomar Priya Pandey Basukinath Tiwari Rahul singh	Android Offloading Computing Over Cloud	International Journal of Creative Research Thoughts	International	2320- 2882	Vol 09 Issue 05	150- 155	May 2021	Other
19.	Prof Sharayu Lokhande Prof Shilpa Devram Pawar	Analysis of Type of Cardiovascular Diseases by Comparing the threshold value of Heart Rate using IOT	International Journal of Electronics, Communication & Instrumentation Engineering Research and Development	International	2249- 7951	Vol 11 Issue 01	1-6	June 2021	Other
20.	Prof P R Sonawane Suhrid Subhlok, Chandrakant Sharma Dhananjay Mishra Deepak Singh	Integrated Approach for Opinion Classification on Abstract Text Using various Machine Learning Algorithm.	Journal of Information and Computational Science	International	1548- 7741	Vol 11 Issue 6	609- 618	June 2021	Other
21.	Prof P R Sonawane Shikha Reddy	On Campus Deployment of Face Mask Detection and Defaulter Identification	International Journal of Innovative Science and Research Technology	International		Vol 6 Issue 6	771 - 775	June 2021	Other



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22.	Dr R Jayadevan S S Shiravale (External) S S Sannakki (External)	Text Region Identification in Indian Street Scene Images Using Stroke Width Transform and Support Vector Machine	Springer Nature Computer Science	International		Vol 2 Issue 5	1-15	June 2021	Other
23.	Prof Yogita Hambir Pranav Bhaskar Rohit Kumar Sourabh Kumar Tirth Patel	Facial Image Generation of Anime characters	International Journal of Creative Research Thoughts	International	2320-2882	Vol 09 Issue 06	274 - 279	June 2021	Other



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Publications (Conference): Academic Year (July 2020 – June 2021)

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.	Prof Sagar Rane	Securing Trustworthy Evidences for Robust Forensic Cloud in spite of Multi Stakeholder Collusion Problem	15th International Conference on Information Assurance and Security	International	978-3-030-49336-3	376-386	Aug 2020	Springer
2.	Prof A N Kaulage	Spatial Data Analysis and understanding to empower quick and viable Spatial Clustering	International Conference on Recent Challenges in Engineering, Science, and Information Technology	International	-	-	October 2020	-
3.	Prof Kuldeep Hule Arjun Dashrath	Post-Surgery Recovery using Deep Learning	Indian Engineering Congress	National	-	-	Dec 2020	-
4.	Prof Sharayu Lokhande	Effective use of Big Data in Precision Agriculture	IEEE International Conference on Emerging Smart Computing and Informatics	International	-	-	March 2021	-
5.	Prof Asha Sathe Saurabh Dome	Optical Character Recognition using Tesseract and Classification	IEEE International Conference on Emerging Smart Computing and Informatics	International	-	-	March 2021	-
6.	Prof Rushali Patil Gaurav Kumar Sidhant Singh Sagar Game Niket Kumar	Video Compression Engine using Auto Encoders	International Conference for Emerging Technology (INCET)	International	-	-	May 2021	-



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Book Chapter Published: Academic Year (July 2020 – June 2021)

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1.	Prof. Kuldeep Hule Mr. Shashi Kant Gupta (External) Dr. S. Vennila (External)	Artificial Neural Networks, A High-Performance Computing in the modeling of HIV Epidemic	978-81- 950236-3-9	National	Association of Global Academics and Researchers Publishers, Tamilnadu	-	May 2021