



PUNE INSTITUTE OF COMPUTER TECHNOLOGY

Department of Information Technology

Major Research Papers Publications in Journals/Conferences [A.Y. 2023-2024]

Sr. No.	Name Of The Teacher's /Author	Title Of The Paper	Name of the Journal/Proceedings/Conference	Level (State / National / International)	Volume & Number/Issue	Year of Publication	ISBN/ ISSN No.	Publisher/ Indexing
1	Dr. Archana Ghotkar	Vision-Based Multilingual Sign Language Translation	SN Computer Science	International	4/1-17	2023	https://link.springer.com/article/10.1007/s42979-023-02273-3	Springer Nature
2	Dr. Archana Ghotkar	Study and Survey on Gesture Recognition Systems	arXiv:2312.00392	International		2023	https://doi.org/10.48550/arXiv.2312.00392	arXiv
3	Dr. Shweta Dharmadhikari	Converge at WASSA 2023 Empathy, Emotion and Personality Shared Task: ATransformer-based Approach for Multi-Label Emotion Classification	Proceedings of the 13th Workshop on Computational Approaches to Subjectivity, Sentiment, & Social Media Analysis, Association for Computational Linguistics	International	10.18653/v1/2023.wassa-1.51	2023	10.18653/v1/2023.wassa-1.51, 558–563	Association for Computational Linguistics
4	Dr. Shyam Deshmukh	Ensuring data confidentiality and integrity in edge computing environments: A security and privacy perspective	Journal of Discrete Mathematical Sciences and Cryptography	International	Volume : 27	2024	0972-0529	scopus
5	Dr. Shyam Deshmukh	Design and Development of Parallel Algorithm for Graph Isomorphism	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN	International	Volume:12 (10s)	2024	2147-6799	scopus
6	Mr. Ganesh S. Pise	Enhancing IoT Device Classification with Hybrid Stacked Ensembles of Machine Learning Classifiers	International Journal of Intelligent Systems and Applications in Engineering	International	10	2024	2147-6799	American Scientific Publishing Group
7	Mrs. Swapnaja R Hiray	A novel data Analysis architectural framework for data reduction on edges for Smart City Healthcare	Journal of Electrical System	International	12	2024	1112-5209	scopus
8	Mr. Ganesh S. Pise	An Improved K-Means Clustering Process Solicitation for Mine Blood Donors Information	Journal of Cybersecurity and Information Management (JCIM	International	Vol. 13, No. 01	2024	PP. 08-16,	American Scientific Publishing Group (ASPG)

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9	Mr. Ganesh S. Pise	Analysis of Dynamic Knowledge Graph Construction and Clustering for Effective Knowledge Management in Machine-to-Machine Communication	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	International	Vol. 27 No. 1 (2024)	2024	https://doi.org/10.52783/anvi.v27.315	Advances in Nonlinear Variational Inequalities
10	Dr. Shyam Deshmukh	Privacy-preserving patient monitoring in healthcare IoT using attribute-based cryptography	Journal of Discrete Mathematical Sciences and Cryptography	International	27(2A)	2023	0972-0529	Scopus
11	Dr. Archana Ghotkar	Emotion Detection Using Machine Learning Algorithms: A Multiclass Sentiment Analysis Approach	ICICI ML 2022	International	LNEE Volume 1106	2024	1876-1100	Springer
12	Dr. Archana Ghotkar	Enhancing Code-Mixing in Named Entity Recognition: A Comprehensive Survey of Deep Learning Models	2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)	International		2024	E-ISBN:979-8-3503-2820-2	IEEE
13	Dr. Archana Ghotkar	Competitive Sentiment Analysis for Brand Reputation Monitoring	2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)	International		2024	E-ISBN:979-8-3503-2820-2	IEEE
14	Dr. Archana Ghotkar	Aikyam: A Video Conferencing Utility for Deaf and Dumb	2023 9th International Conference on Smart Computing and Communications (ICSCC)	International		2023	E-ISBN:979-8-3503-1409-0	IEEE
15	Mr. Vishal R. Jaiswal	Survey on Use of AI/ML Algorithms in Enhancing Filesystem Performance and Efficiency	11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)	International		2024	979-8-3503-5035-7	IEEE
16	Mrs. Sumitra Jakhete	Utilization of CNN and ensemble methods to support medical practitioners in Categorizing lung cancer: A Research Paper	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	International		2024	E-ISBN:979-8-3503-0426-8	IEEE
17	Mrs. Rachana Karnavat	Stroktor-A System to Predict Ischemic Brain Stroke using Learning Techniques	2023 3rd International Conference on Intelligent Technologies (CONIT)	International		2023	E-ISBN:979-8-3503-3860-7	IEEE

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18	Dr. Jayashree Jagdale	Recent works in Sign Language Recognition using deep learning approach - A Survey	2023 OITS International Conference on Information Technology (OCIT)	International		2024	Electronic ISBN:979-8-3503-5823-0	IEEE
19	Mr. Vishal R. Jaiswal	Effects of Adopting Industry 4.0 on a Manufacturing Plant	11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)	International		2024	979-8-3503-5035-7	IEEE
20	Mr. Tushar Rane	Predicting COPD Severity Using Machine Learning and GOLD Criteria	3rd International Conference for Innovation in Technology (INOCON)	International		2024	979-8-3503-8193-1	IEEE
21	Dr. Jayashree Jagdale	Real-time Indian Sign Language Recognition using Skeletal Feature Maps	14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	International		2023	979-8-3503-3509-5	IEEE
22	Dr. Jayashree Jagdale	Indian Sign Language Recognition using Skin Segmentation and Vision Transformer	IEEE 20th India Council International Conference (INDICON)	International		2024	979-8-3503-0559-3	IEEE
23	Dr. Anant Bagade	Explainable Artificial Intelligence Techniques for Image Classification Models in Diverse Domains	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	International		2024	E-ISBN:979-8-3503-0426-8	IEEE
24	Dr. Anant Bagade	Abstractive Text Summarization Models Using Machine Learning Algorithms	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	International		2024	E-ISBN:979-8-3503-0426-8	IEEE
25	Mr. R. B. Murumkar	Mavericks at NADI 2023 Shared Task : Unravelling Regional Nuances through Dialect Identification using Transformer-based Approach	Proceedings of ArabicNLP 2023	International		2023	DOI: 10.18653/v1/2023.arabnlp-1.74	Association for Computational Linguistics
26	Dr. Jayashree Jagdale	Voice-Based Smart Assistant System for Vehicles Using RASA	2023 International Conference on Computational Intelligence, Networks and Security (ICCINS)	International		2024	979-8-3503-1379-6	IEEE
27	Mr. R. B. Murumkar	Mavericks at AraIEval Shared Task: Towards a Safer Digital Space -- Transformer Ensemble Models Tackling Deception and Persuasion	EMNLP conference 2023	International		2024	979-8-3503-1379-6	IEEE

28	Dr.S.B.Desh mukh	Pothole detection in bituminous road using convolutional neural network with transfer learning	Indonesian Journal of Electrical Engineering and Computer Science	International		2024	http://doi.org/10.11591/ijeecs.v33.i3.pp1950-1957	Journal of Discrete Mathematical Sciences & Cryptography
29	M.R.Khodas kar	Robust and energy-efficient authentication protocols for medical sensor networks	Journal of Discrete Mathematical Sciences & Cryptography	International		2024	https://doi.org/10.47974/JDMSC-1895	Taru Publications
30	Prajakta Shinde	Face Recognition Application in Flutter	2023 2nd International Conference on Futuristic Technologies (INCOFT)	International		2023	979-8-3503- 0884-6	IEEE
31	S.S.Pande	Ant Colony Optimization for Network Customization in Cognitive Human-Computer Communication	2024 International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	International		2024	979-8-3503- 7274-8	IEEE