

**University of Mumbai – DJSCE Ph.D. Research Centre – Status of Ph.D. (Technology)****Department of Computer Engineering****Research Scholars – Ph.D. Publications****(A.Y. 2022-2023, 2023-2024, 2024-2025, 2025-2026)**

Sr. No.	Title of paper	Name of the author/s	Guide Name	Research Scholar Name	Name of Journal / Conference	Scopus / Web of Science / SCI etc.	Quartile Ranking	Date of publication	ISSN number	DOI
1.	Identifying the Optimal Deep Learning Based Image Recognition Technique for Dog Breed Detection	Sridhar Chandramohan Iyer, Dr. Narendra Shekoker	Dr. Narendra Shekoker	Sridhar Chandramohan Iyer	14th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2023	--	--	2023	2473-7674	DOI: 10.1109/ICCCNT56998.2023.10307245
2.	Adaptation of Deep Learning Architectures for Bird Classification in Information Security Applications	Sridhar Chandramohan Iyer, Dr. Narendra Shekoker, Kartikey Doshi, Akshay Kamath	Dr. Narendra Shekoker	Sridhar Chandramohan Iyer	OITS International Conference on Information Technology (OCIT), 2025	--	--	2026	979-8-3315-7702-5	DOI: 10.1109/OCIT66168.2025.11400093
3.	Designing A Novel Covert Communication Medium for Secure Information Exchange	Sridhar Chandramohan Iyer, Dr. Narendra Shekoker	Dr. Narendra Shekoker	Sridhar Chandramohan Iyer	International Journal of Intelligent Systems and Applications in Engineering	https://www.scopus.com/sourceid/21101021990	Q4 when published	2024	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/6741
4.	CovertGAN: intelligent cryptography using cross-domain adversarial generative diffusion	Sridhar Chandramohan Iyer, Dr. Narendra Shekoker	Dr. Narendra Shekoker	Sridhar Chandramohan Iyer	Journal of Computer Virology and Hacking Techniques	https://www.scopus.com/sourceid/21100405702	Q2	2025	2263-8733	DOI: 10.1007/s11416-025-00586-w
5.	A Study on Video Analytics and Their	Neha Katre, Meera Narvekar, Chirag Jagad,	Dr.Meera Narvekar	Neha Katre	IEEE IAS Global Conference on Emerging	--	--	2022	978-1-6654-4357-9	10.1109/GlobConET53749.2022.9872506



	Performance Analysis for Various Object Detection Algorithms	Ishika Chokshi, Chirag Jain			Technologies (GlobConET)					
6.	Development of a Code-Switched Hindi-Marathi Dataset and Transformer-Based Architecture for Enhanced Speech Recognition Using Dynamic Switching Algorithms	Hemant Palivela and Dr.Meera Narvekar	Dr.Meera Narvekar	Hemant Palivela	Applied Acoustics	https://www.scopus.com/sourceid/12946	Q1	2025	0003-682X	https://www.sciencedirect.com/science/article/abs/pii/S0003682X24005590
7.	Code-Switching ASR for Low-Resource Indic Languages: A Hindi-Marathi Case Study	Hemant Palivela; Meera Narvekar; David Asirvatham; Shashi Bhushan; Vinay Rishiwal; Udit Agarwa	Dr.Meera Narvekar	Hemant Palivela	IEEE Access	https://www.scopus.com/sourceid/21100374601	Q1	2025	2169-3536	https://doi.org/10.1109/ACCESS.2025.3527745
8.	Scalable RL-Based Data Generation and Multi-Resolution Architecture for Code-Switched Speech Recognition: A High-Performance Computing Approach	Hemant Palivela, Meera Narvekar	Dr.Meera Narvekar	Hemant Palivela	Journal of Supercomputing, Springer	https://www.scopus.com/sourceid/25623	Q1	2026	1573-0484	10.1007/s11227-026-08256-4
9.	Hybrid Temporal-Acoustic Modeling for Enhanced Code-Switched	Hemant Palivela, Meera Narvekar	Dr.Meera Narvekar	Hemant Palivela	28th International Symposium on Frontiers of Research in	--	--	2024	978-3-032-03731-2	https://doi.org/10.1007/978-3-032-03729-9_10



	ASR in Low-Resource Languages: A Study on Hindi and Marathi				Speech and Music					
10.	Responsible AI in Automatic Speech Recognition	Hemant Palivela, Meera Narvekar, Nikhil Tiwari	Dr.Meera Narvekar	Hemant Palivela	Era of Artificial Intelligence: The 21st Century Practitioners' Approach	--	--	2023	978-10322-91116	https://doi.org/10.1201/9781003300472-8
11.	Analysis of Dataset balancing Techniques for Phishing Dataset	Sharvari Patil, Dr. Narendra Shekokar	Dr. Narendra Shekokar	Sharvari Patil	14th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2023	--	--	2023	2473-7674	https://doi.org/10.1109/ICCCNT56998.2023.10307031
12.	An Optimized ADASYN-OSS Data Balancing Approach with Wrapper-based Feature Selection for Phishing Detection	Sharvari Patil, Dr. Narendra Shekokar	Dr. Narendra Shekokar	Sharvari Patil	IEEE PuneCon 2025	--	--	2026	2831-5022	https://doi.org/10.1109/PuneCon67554.2025.11378536
13.	A Comparison of Deep Learning and Traditional Key-Frame Extraction Methods for Video Analytics	Neha Katre, Meera Narvekar, Chirag Jagad, Ishika Chokshi, Chirag Jain	Dr.Meera Narvekar	Neha Katre	Journal of University of Shanghai for Science and Technology	https://www.scopus.com/sourceid/14040	Q4 when published	2023	1007-6735	10.51201/JUSST/23/0950
14.	Design of Intelligent Feature Selection Technique for Phishing Detection	Sharvari Patil, Dr. Narendra Shekokar	Dr. Narendra Shekokar	Sharvari Patil	IJUM Engineering Journal	https://www.scopus.com/sourceid/21100827423	Q2	2025	1511-788X	https://doi.org/10.31436/ijumej.v26i1.3337



15.	A Reinforcement Learning Framework for Adaptive Detection of Phishing Attack	Sharvari Patil, Dr. Narendra Shekokar, Aditya Surve, Priyanka Ramchandran	Dr. Narendra Shekokar	Sharvari Patil	Journal of Cybersecurity and Information Management	https://www.scopus.com/sourceid/21101212490	Q3	2025	2769-7851	https://doi.org/10.54216/JCIM.170215
16.	A Novel Approach to Key Frame Detection Using Histogram and Dynamic Clustering	Neha Katre, Meera Narvekar, Chirag Jagad, Ishika Chokshi, Chirag Jain	Dr. Meera Narvekar	Neha Katre	Journal of Computational Analysis and Applications	https://www.scopus.com/sourceid/23846	Q3	2024		https://eudoxuspress.com/index.php/pub/article/view/1049
17.	Smart Surveillance: Enhanced Detection of Compact Weapons and Fires with Image Enhancement Techniques	Neha Katre, Meera Narvekar, Jash Shah, Ayush Shah, Dhruv Kudalkar	Dr. Meera Narvekar	Neha Katre	3rd International Conference on Human-Centric Smart Computing (ICHCSC 2024)	--	--	--	--	https://doi.org/10.1007/978-981-96-3420-0_25
18.	An integrated approach for AI-Generated Phishing URL detection using Reinforcement Learning and Machine Learning	Sharvari Patil, Dr. Narendra Shekokar	Dr. Narendra Shekokar	Sharvari Patil	International Journal of Engineering Trends and Technology	https://www.scopus.com/sourceid/21101000284	Q3	2025	2231-5381	https://doi.org/10.14445/22315381/IJETT-V73I11P116
19.	Occlusion-Aware Object Detection Under Fire and Smoke Conditions for Intelligent Surveillance	Neha Katre, Meera Narvekar, Rachit Gala, Mahek Jain, Rhythm Shah	Dr. Meera Narvekar	Neha Katre	International Conference on Advancing Technology in Engineering and Science (ICATES-2025)	--	--	2025	--	https://doi.org/10.1049/icp.2025.4758
20.	Exploring the Potentials of Explainable AI for Early Cataract	Harshal Dalvi, Dr. Meera Narvekar, Harsh Shah, Rutwik	Dr. Meera Narvekar	Harshal Dalvi	Journal of the University of Shanghai for Science and Technology	https://www.scopus.com/sourceid/14040	Q4 when published	--	1007-6735	--



	Detection to Foster Accessible Healthcare'	Patel, Sanchit Hegde								
21.	Mitigating Data Bias In Machine Learning: Enhancing Model Transparency Through Fairness-Aware Techniques	Harshal Dalvi, Meera Narvekar, Shehal Shah, Priyal Donda, Jeniel Shah	Dr.Meera Narvekar	Harshal Dalvi	Journal - Frontiers in Health Informatics	https://www.scopus.com/sourceid/21101150092	Scopus when published	--	2676-7104	--
22.	Ethical Considerations and Strategies to Mitigate Bias Problem in Machine Learning	Harshal Dalvi, Meera Narvekar, Shehal Shah, Priyal Donda, Jeniel Shah	Dr.Meera Narvekar	Harshal Dalvi	International Journal of Technology Intelligence and Planning' - IJTIP, Inderscience Publishers	https://www.scopus.com/sourceid/6200180167	--	--	1740-2832	--
23.	A Study of LIME and SHAP Model Explainers for Autonomous Disease Predictions	Harshal Dalvi, Dr. Meera Narvekar, Neha Katre, Sannidhi Rao, Shikha Mehta, Shreya Kulkarni	Dr.Meera Narvekar	Harshal Dalvi	2022 IEEE Bombay Section Signature Conference (IBSSC), Mumbai, India	https://ieeexplore.ieee.org/document/10037324	--	--	Electronic ISBN:978-1-6654-9291-1	--
24.	Interpreting Accuracy: A Comprehensive Analysis of AI Models for Liver Disease Diagnosis	Harshal Dalvi, Dr. Meera Narvekar	Dr.Meera Narvekar	Harshal Dalvi	2024 Parul International Conference on Engineering and Technology (PICET), Vadodara, India,	https://ieeexplore.ieee.org/document/10716117	--	--	Electronic ISBN:979-8-3503-6974-8	--
25.	Employing Explainable AI to Optimise Domestic Energy for a Greener Societ	Vraj Desai, Ashray Gattani, Harshal Dalvi, and Meera Narvekar	Dr.Meera Narvekar	Harshal Dalvi	Lecture Notes in Electrical Engineering 1185 , Proceedings of ICEIL 2023, Springer Publications	https://link.springer.com/chapter/10.1007/978-981-97-1682-1_36	--	2024	978-981-97-1682-1	--
26.	A Framework for Enhancing Model Transparency:	Harshal Dalvi, Dr. Meera Narvekar	Dr.Meera Narvekar	Harshal Dalvi	International Conference on Multimodal Agentic AI	https://ijteonline.in/assets/uploads/issue_pdf/1772469849.pdf	--	2026	0971-3034	--



	Addressing Opacity and Data Bias in Complex Machine Learning Models				(ICMAAI-25) , ISTE's Indian Journal of Technical Education Journal (UGC Care)					
27.	Dynamic Profiling of Cryptocurrency Wallets: A Multi-Layered Machine Learning & Graph Theory Model for Security and Regulatory Insight Validation	Sagar D. Korde, Narendra M. Shekokar	Dr. Narendra Shekokar	Sagar D. Korde	Blockchain Kaigi 2025 Conference, IITB	https://drive.google.com/file/d/1wgmVkJWJ4L0J5AAnSCMu59vvHDd77p0k/view?usp=sharing	--	2025	--	Under Process
28.	Black-box Adversarial Attacks on Image Classification and its Corresponding Defense	Omprakash Yadav, Dr. Meera Narvekar	Dr.Meera Narvekar	Omprakash Yadav	2nd International Conference on Innovative Trends in Electrical, Electronics and Bio-Technology Engineering (ICITEEB 2025)	Scopus (CRC Press, Taylor & Francis group)	--	2025	ISBN 9781041318422	https://www.routledge.com/Integrated-Technologies-in-Electrical-Electronics-and-Biotechnology-Engineering-Volume-1/Aggarwal-Shukla-EweanDavidson-Bansal/p/book/9781041318422
29.	Analysis of image de-noising techniques using Variational Auto-encoders and Discrete Wavelet Transformations	Omprakash Yadav, Dr. Meera Narvekar , Dr. Debajyoti Mukhopadhyay	Dr.Meera Narvekar	Omprakash Yadav	International Conference on Recent Trends in Engineering and Technology (ICRTET 2026)	Scopus, CRC Press, Taylor & Francis	--	2026	--	Under Process

