



# Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

Academic Year : 2024-25

## Faculty Publication

Sr . No	Name of Faculty	Paper Title	Name of Research Journal / Conference	Vol. Issue No	Impact Factor	Year of Publication	DOI / Paper Link	Category
1	Dr. Vikrant Agaskar	Evaluating the Effectiveness of a Gamified and NLP-Enhanced Adaptive Learning Platform for Engineering Education	Cureus Journal of Computer Science	-	-	2025	<a href="https://doi.org/10.7759/s44389-025-03705-2">https://doi.org/10.7759/s44389-025-03705-2</a>	Scopus
2	Dr. Vikrant Agaskar	Development of Advanced Bioinformatics Tools for Integrating Genomic Data and Enhancing Diagnosis of Rare Diseases	South Eastern European Journal of Public Health	-	-	2025	<a href="https://doi.org/10.70135/scejph.vi.3118">https://doi.org/10.70135/scejph.vi.3118</a>	Scopus
1	Mr. Sunil Katkar	Modeling Channel Dynamics in Molecular Communication Systems	Journal of Information Systems Engineering and Management	Vol. 10 No. 11s (2025)	-	2025	<a href="https://doi.org/10.52783/jisem.v10i11s.1673">https://doi.org/10.52783/jisem.v10i11s.1673</a>	Scopus



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2	Dr. Dinesh Patil	Revolutionizing CRM with AI: Clause Detection and Client Management	International Journal of Innovative Research in Technology [UGC Approved Journal]	Vol. 11, Issue 11	8.01	2025	<a href="https://ijirt.org/Article?manuscript=175885">https://ijirt.org/Article?manuscript=175885</a>	UGC Approved/Non Scopus
3	Mrs. Swati Varma	Explainable zero-shot learning and transfer learning for real time Indian healthcare	International Journal of Informatics and Communication Technology	Vol. 14, No. 1		2025	<a href="https://doi.org/10.11591/ijict.v14i1">10.11591/ijict.v14i1</a>	Scopus
4	Dr. Anil Hingmire	An Investigation and Design of Conceptual Framework of Digital Twin with Industry 4.0 Enabling Technologies	International Journal of Engineering Trends and Technology	vol. 73, no. 2	2.45	2025	<a href="https://doi.org/10.14445/2315381/IJETT-V73I2P112">https://doi.org/10.14445/2315381/IJETT-V73I2P112</a>	Scopus
5	Dr. Anil Hingmire	Exploration of OpenCV for Hand Gesture Recognition Techniques - A Review	Nanotechnology Perceptions	Vol. 20 No. 7	-	2024	<a href="https://doi.org/10.62441/nano-ntp.v20i7.4053">https://doi.org/10.62441/nano-ntp.v20i7.4053</a>	Scopus



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6	Mr. Sanket Patil , Mr. Vishal Pande	A Novel Multimodal Framework For Early Detection Of Alzheimer's Disease Using Deep Learning	SSRG International Journal Of Electrical And Electronics Engineering	Volume 11, Issue 11,	-	2024	<a href="https://doi.org/10.14445/23488549/IJECE-V11I11P102">https://doi.org/10.14445/23488549/IJECE-V11I11P102</a>	Scopus
7	Mr. Sanket Patil	A Comprehensive Review Of Deepfake And Its Detection Techniques	International Journal Of Electrical And Electronics Engineering	Volume 11 Issue 8	-	2024	<a href="https://doi.org/10.14445/23488379/IJEEE-V11I8P111">https://doi.org/10.14445/23488379/IJEEE-V11I8P111</a>	Scopus
8	Mrs. Swati Varma	Domain adaptation of transformer-based neural network model for clinical note classification in Indian healthcare	International Journal of Information Technology	Vol 16, Issue 6	-	2024	<a href="https://doi.org/10.1007/s41870-024-02053-z">https://doi.org/10.1007/s41870-024-02053-z</a>	Scopus
9	Mrs. Manali Patekar	Voice Based E-Mail System for Visually Impaired People	Nanotechnology Perceptions	Vol.20, No.6 (2024)	-	2024	<a href="https://doi.org/10.62441/nano-">https://doi.org/10.62441/nano-</a>	Scopus



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							<a href="#">ntp.v20i</a> <a href="#">6.17</a>	
	Dr. Megha Trivedi	Enhancing User Experience in E-Commerce using Deep Learning	Hinweis Third International Conference on Computer Science, Cyber Security and Information Technology, CCIT-2025	-	-	2025		Scopus
	Mr. Sunil Katkar	Vehicle Accident Detection and Alert System	Trends in Material Science and Inventive Materials (ICTMIM 2025)	-	-	2025		IEEE
	Dr. Megha Trivedi	TrackTrust: Revolutionizing Supply Chain Management Through Blockchain Integration	Self-Sustainable Artificial Intelligence Systems (ICSSAS 2024)		-	2024		IEEE
	Mrs. Smita Jawale	Drop Alert: Student Dropout Detection System	International Conference on Innovations in Cybersecurity	-	-	2025		Springer



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			and Data Science (ICIDS)					
10	Dr. Anil Hingmire, Dr. Megha Trivedi	Data Augmented CNN Approach for Enhanced Speech Emotion Recognition	Hinweis Third International Conference on Computer Science, Cyber Security and Information Technology, CCIT - 2025	-	-	2025		Scopus
11	Mrs. Sneha Mhatre, Dr. Megha Trivedi	Advanced genome disorder prediction using machine learning	International Conference on Innovations in Cybersecurity and Data Science	-	-	2025		Springer
12	Dr. Megha Trivedi, Dr. Anil Hingmire, Mrs. Sneha Mhatre	Context-Aware Financial Forecasting Using Generative AI and Vector-Based Retrieval	International Conference on Innovations in Cybersecurity and Data Science	-	-	2025		Springer
13	Dr. Swapna Borde	Cricket Player Performance	International Conference on Intelligent	-	-	2025		IEEE



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		Analysis Using Deep Learning	Technologies (CONIT 2025)					
14	Mrs. Neha Surti	Early Detection of Diabetic Retinopathy using Deep Learning	5th International Conference on Computing & Communication Technologies	-	-	2025	<a href="#">10.1109/ICCCT63501.2025.11020520</a>	IEEE
15	Mrs. Neha Surti	Automated Data Extraction and Forecasting Using Deep Learning	International Conference on Electronics, AI and Computing	-	-	2025		IEEE
16	Mrs. Smita Jawale	Court Cases Priorities and Timeline: Analysis and Prediction	International Conference on Communication ,Image Processing and Computing	-	-	2025		IEEE
17	Dr. Megha Trivedi	Swiftship - AI Optimized Delivery Time-slot Management	6th International Conference for Emerging Technology (INCET)	-	-	2025		IEEE
18	Dr. Megha Trivedi, Mrs. Smita	Legal Mitra: Simplified Legal Resources and Guidance Platform	6th International Conference for Emerging Technology (INCET)	-	-	2025		IEEE



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	Jawale, Mrs. Sneha Mhatre							
19	Dr. Megha Trivedi, Dr. Anil Hingmire	AI-Powered Sleep Apnea Detection and Monitoring Using Deep Learning on ECG Signals	6th International Conference for Emerging Technology (INCET)	-	-	2025		IEEE
20	Dr. Megha Trivedi, Mrs. Sneha Mhatre, Dr. Anil Hingmire	EmoTrack: Intelligent Hiring with Data and Emotion Detection	6th International Conference for Emerging Technology (INCET)	-	-	2025		IEEE
21	Dr. Swati Varma	Security of Dedicated Android Devices with Kiosk Mode	6th International Conference for Emerging Technology (INCET)	-	-	2025		IEEE
22	Mrs. Brinal Colaco	Blockchain Based Deepfake Video Detection Using Deep Learning	International Conference on Emerging Trends in Industry 4.0	-	-	2025		IEEE



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			Technologies(I CETI4T)					
23	Mrs. Brinal Colaco	AI-Enhanced Security Framework for Blockchain	International Conference on Innovation, Sustainability and Applied Sciences (ICISAS)	-	-	2025		Non – IEEE/ Springer
24	Dr. Vikrant Agaskar	Integrating Gamification and NLP: Analysis on an Adaptive Learning Platform for Engineering Education	1 <sup>st</sup> International Conference on Emerging Trends in Computer Science and Engineering	-	-	2025		IEEE
25	Dr. Vikrant Agaskar	DermaTech: A Machine Learning and Deep Learning- Based Skincare Product Recommendation System	1 <sup>st</sup> International Conference on Emerging Trends in Computer Science and Engineering	-	-	2025		IEEE
	Dr. Vikrant Agaskar	Deep Learning Approach for Analysis of	International Conference on Innovations and	-	-	2024		Springer



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		Audio for the Diagnosis of Alzheimer	Advances in Cognitive Systems (ICIACS)					
27	Dr. Dinesh Patil, Mrs Akshaya Prabhu	Suspect Face Generation and Recognition based on DCGAN	International Conference on Self Sustainable Computing & Smart System	-	-	2024	<a href="http://dx.doi.org/10.1109/ICSCSS60660.2024.10625556">http://dx.doi.org/10.1109/ICSCSS60660.2024.10625556</a>	IEEE
28	Mrs. Swati Varma, Dr. Anil Hingmire	Enhancing Agri-Sustainability: Multimodal Recommendations for Demand-Supply Alignment	2024 2nd World Conference on Communication & Computing (WCONF)	-	-	2024	<a href="https://doi.org/10.1109/WCONF61366.2024.10692069">https://doi.org/10.1109/WCONF61366.2024.10692069</a>	IEEE
29	Dr. Vikrant Agaskar	Ensemble Learning Approaches for Predicting Flood Damage: A comprehensive Analysis and Evaluation	2nd International Conference on Self Sustainable Artificial Intelligence Systems	-	-	2024	<a href="http://dx.doi.org/10.1109/ICSSAS64001.2024.10760488">http://dx.doi.org/10.1109/ICSSAS64001.2024.10760488</a>	IEEE
30	Ms. Sneha Mhatre	Deepfusion: A Novel Deep	3 Rd International	-	-	2024	<a href="https://doi.org/10.1109/">doi: 10.1109/</a>	IEEE



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		Learning Technique For Enhanced Image Super - Resolution	Conference On Automation, Computing And Renewable System				<a href="#">ICACRS 62842.2 024.108 41630</a>	
31	Ms. Sneha Mhatre	Fetal Anomaly Detection In Ultrasound Images: A Review Of Deep Learning Based Approaches	3 <sup>rd</sup> International Conference On Automation, Computing And Renewable System	-	-	2024	<a href="#">10.1109/ ICACRS 62842.2 024.108 41653</a>	IEEE
32	Mrs. Swati Varma	Classifying Temporomandibu lar Disorder and Trigeminal Neuralgia using Self-Supervised and Deep Learning Approach	2024 International Conference on Emerging Trends in Networks and Computer Communication s (ETNCC)	-	-	2024	<a href="https://doi.org/10.1109/ETNCC63.2024.10767530">https://d oi.org/10 .1109/E TNCC63 262.202 4.10767 530</a>	IEEE