R&D Data 2024-25

Publications (Journal): Academic Year (01 June 2024–31 March 2025)

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	Impact factor (SJR/JCR)
01	Dr. Dipika Birari	Thermal analysis of fuel cells in renewable energy systems using Generative Adversarial Networks (GANs) and Reinforcement learning	Thermal Science and Engineering Progress	International	2451-9049	54/102816/	3-9	Aug 2024	Scopus	https://doi.org/10.1016/j.tsep.2024.102816
02	Dr Dipika Birari	Evaluating the Impact of Cybersecurity Regulations on Corporate Network Security Policy Frameworks	Network Security	International	1872-9371	2024/8	17-24	Nov 2024	Scopus	-

03	Dr Gajanan M Walunjkar	Machine Learning-Based Prediction of COVID-19 Patient Outcomes: Enhancing Clinical Decision-Making	Advances in Nonlinear Variational Inequalities	International	1092-910X	28/1s	75-82	Jan 2025	Scopus	https://doi.org/10.52783/anvi.v28.2196
04	Dr R.A. Bagate	Sarcasm Detection an Explainable AI Approach for Reddit Political Text	Mathematical Modelling of Engineering Problems	International	2369-0739	12/1	219-226	Jan 2025	Scopus	-
05	Dr Gajanan Walunjkar	Optimizing Plant Disease Detection Models for RISC Architectures with Mini TensorFlow	Journal of Information Systems Engineering and Management	International	2468-4376	10/7s		Jan 2025	Scopus	-

06	Dr D.R.Birari	Ensemble Learning Based Defect Detection Systems for Industrial Applications	Advances in Nonlinear Variational Inequalities	International	1092-910X	28/2s	542-554	Jan 2025	Scopus	-
07	Dr D.R.Birari	Advances In Soil Moisture Monitoring Technology	International Water and Irrigation	International	0334-5807	44/1	230-234	Jan 2025	Scopus	-
08	Dr (Mrs)Sangeeta Jadhav	Fusion of Ensemble Technique with CNN Model to Equilibrate Prediction of Face Emotions in Real Time	Traitement du Signal	International	1958-5608(online)	Vol-42,issue-1	519-530	28 Feb 2025	SCIE	-

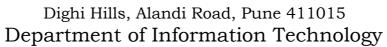| 09 | Prof Trupti Najan | Predictive Modelling of Surface Roughness in Grinding Operations Using Machine Learning Techniques | *MANUFACTURING TECHNOLOGY*, Publisher: Institute of Technology and Production Management University of J.E. Purkyne | International | *213–2489* | 25,issue-1 | 14-23 | March 2025 | Scopus, ESCI | - |

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Publications (Conference):   Academic Year (01 June 2024 – 31 March 2025)

Sr.No.	Name Authors	Title of paper	Name of Conference	Local level/State Level/National/ International	ISSN	Page No.	Date/Year of Conference	Presented (Yes/No)	Indexing if any
01	Dr Dipika Birari	The Role of Blockchain Technology in Supply chain Management for Data Security	IEEE ICBDS 2024-3rd International Conference onBlockchain and Distributed Systems Security 2024	International	979-8-3503-5435-5	-	17th – 19th,Oct 2024	Yes	-
02	Dr Rupali Bagate	Optimized Quantum-inspired Encryption with Deep CNN for ECG Signal Security and Arrhythmia Classification	International conference on Innovative materials and smart solutions for sustainability (ICIMSS)	International	-	-	-27-28 Dec 2024	Yes	-
03	Dr Gajanan Walunjkar, Dr Rahul Desai, Mr Yuvraj Gholap	Road Damage Detection using Deep Learning	International conference on Transformative Research Trends in Multidisciplinary Contexts	International	-	-	30 Jan 2025	Yes	-
04	Dr Rupali Bagate	Enhancing Fraud Detection in insurance with CNN based Customer Behavior Analysis	International conference on Information and Communication system., held in VVSU Mysuru	International	-	-	4th -5th Feb 2025	Yes	-
05	Mrs Vaishali Ingale, Dr. Ashwini Sapkal	Classification of Diabetic Retinopathy Disease Using GNN	International Conference on Brain Computer Interface & Healthcare Technologies (iCon-BCIHT)held in Thiruvananthapuram, India.	International	-	-	19-20 Dec 2024 19 Feb 2025	Yes	-

			Added in IEEE Explore						
06	Prof Anjali Hudedamani, Prof Kavita Arakeri,Prof Trupti Najan,Prof Jayashree Lavhare, ,,Dr Rupali Bagate	ML and DL Journey in Cancer Classification and Detection	1st International Conference on Sustainable Computing and Intelligent Systems (ICSCIS 2025) held in Poornima University, Jaipur ,Rajasthan	National	-	-	21-22 March 2025	Yes	-
07	Yash Nikam,, Dr Rupali Bagate,	Development of Virtual Simulation Training platform for Forward Observation Officer based on AR/VR Technology	1st International Conference on Sustainable Computing and Intelligent Systems (ICSCIS 2025) held in Poornima University, Jaipur ,Rajasthan.	International	-	-	21-22 March 2025	Yes	-

Book Article/ Chapter published: Academic Year (01 June 2024–31 March 2025)

Sr. No.	Name Authors	Title	ISBN	National/International	Vol	Page No.	Publisher Details	Date/Year
01	Dr Rahul Desai, Dr Gajanan Walunjkar, Mr Yuvraj Gholap	YouTube Comments Extraction and Sentiment Analysis using machine learning	-	International	-	-	Published in Shodhspitivalley: Multidisciplinary Research In Technological Innovation For Sustainable Development, Publisher: Multi spectrum publications	Feb 2025