Faculty Publications - Conference Proceeding (2025-26)

S.No	Title	Author(s)	Source Title	Date
1	Moderating Role of Technology Readiness of individuals to embrace Telemedicine	Bhanupriya Khatri; Charu Saxena; Shanul Gawshinde	2025 International Conference on Ambient Intelligence in Health Care (ICAIHC)	2025
2	Enhancing Customer Engagement Through Generative AI-Driven Predictive Marketing"—A Bibliometric Analysis	Dr Ruby Chanda, Dr Reena Lenka	Intelligent Solutions for Smart Adaptation in Digital Era	2025
3	Cutting-Edge Technology-Based Social Enterprises in India for Sustainable, Inclusive Healthcare	Pradnya Vishwas Chitrao, Pravin Kumar Bhoyar & Rajiv Divekar	Innovations in Information and Decision Sciences	2025
4	Metaverse Learning Landscapes: Unrevealing Training and Development Patterns Through Bibliometric and	Suruchi Pandey, Rajesh Chandwadkar	International Conference on ICT for Sustainable Development	2025
5	Robust Signal Processing Approaches for Enhancing Communication Reliability in Ultra-Dense Massive MIMO Networks	Rashmy Moray; Savita Kumari; Deepak Upadhyay; Rashmi Sharma; Aakash Singh Ranswal; Nookala Venu	2025 International Conference on Automation and Computation (AUTOCOM)	2025
6	Generative AI for Predicting Employee Engagement in HR Analytics A Bibliometric	Reena Lenka, Ruby Chanda	International Conference on ICT for Sustainable Development	2025
7	Face Mask Classification using Convolutional Neural Networks with Facial Image Regions and Super Resolution	Patel H.; Priyanka S.A.; Tiwari V.; Bhoyar P.K.	2025 3rd International Conference on Data Science and Information System (ICDSIS)	2025
8	Harnessing AI for Education and Transforming Learning	Suruchi Pandey, Hemlata Gaikwad	International Conference on ICT for Sustainable Development	2025
9	Human-AI Interaction in Higher Education: Understanding Through Anthropomorphism	Ruby Chanda, Sarika Sharma	International Conference on Leveraging Emerging Technologies and Analytics for Development	2025
10	Wearable Devices in Education: Enhancing Learning and Teaching	Ruby Chanda, Vanishree Pabalkar	ICT Systems and Sustainability	2025
11	Swarm Robotics	Vanishree Pabalkar, Ruby Chanda	ICT Systems and Sustainability	2025
12	Cloud Adoption and Optimization for Business Growth	Ruby Chanda, Rahul Dhaigude	ICT Analysis and Applications	2025
13	Role of Chatbots and Virtual Assistants in Customer Service for Life Insurance Companies in	Vanishree Pabalkar, Ruby Chanda, Pooja Nair	ICT Analysis and Applications	2025

14	Consumer Awareness and Willingness Toward Smart Home Automation	Rahul Dhaigude, Ruby Chanda	ICT Analysis and Applications	2025
15	Analyzing Social Media Analytics for Increasing Brand Equity: Case of Perkis	Ruby Chanda, Vanishree Pabalkar	ICT Analysis and Applications	2025
16	Consumer Behavior Toward Digital Tourism Post COVID: A Sentiment Analysis	Ruby Chanda, Rahul Dhaigude	ICT Analysis and Applications	2025
17	Enhancing Phishing Website Detection Through Multi-Classifier Integration and Comparative Analysis of Data Mining Techniques	Rahul Dhaigude, Ruby Chanda	ICT Analysis and Applications	2025
18	Being Inclusive With Neurodiverse Workforce And Technology in Training	Suruchi Pandey, Rajesh Chandwadkar, Hemlata Vivek Gaikwad	Advances in Intelligent Systems Research	2025
19	Digital Rupee Acceptance Dynamics Through the Lens of Theory of Planned Behaviour	Suraj Chandrakant Kamble; Shikha Jain; Rashmy Moray; Jehad Al Dallal	2024 International Conference on IT Innovation and Knowledge Discovery (ITIKD)	2025
20	Machine Learning and Graph Theory-Based Approach for Detecting and Diagnosing Hardware Trojans in Gate-Level Netlists	Jay Gandhi; V. Prabakaran; Mahalakshmi S; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
21	Design and Evaluation of VR-Enhanced Hand Therapy with a Custom Biomechatronic 3D-Printed Orthosis	Chintan Thacker; Kishore Ravikumar; K. Bharat Ramkumar; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
22	Decentralized Federated Learning Framework with Blockchain for Verifiable and Trusted Collaboration	Kruti Sutaria; Mahalakshmi S; Manisha Paliwal; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
23	Twitter Bot Detection Using GCN with Adaptive Neighborhood Aggregation and Squeeze Module	Mitul Patel; D Karthick Rajan; Adusupalle Muni Raju; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
24	Visual Perception-Based Data-Driven Path Tracking Using Behavior Analysis and the ANFIS Approach	Pooja Bhatt; Vinita Tiwari; T Vinoth; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
25	Context-Sensitive Graph Reduction and Partitioning for Enhanced Cyber Attack Investigation	Kamal Sutaria; D Karthick Rajan; Ganesh Pandit Pathak; Pravin Dange	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	2025
26	Technology as an Enabler of Sustainable Smart Cities	Naval Lawande	ICT Analysis and Applications	2025

27	Efficient Image Encryption Method Incorporating DNA Coding and Chaotic	Pradeep K; Kruti Sutaria; Manisha Paliwal; Jaya Chitranshi	2025 3rd International Conference on Data Science and Information System (ICDSIS)	2025
28	AI driven work life integration: How smart technologies transforming the modern workplace	Nalinta Chawla, Vishal Prakash Ekatpure, Nandini Desai; Harshal Raje; Reena (Mahapatra) Lenka; Vidya Phawdunkar	AIP Conference Proceedings	2025
29	Harnessing IoT Data for Real-Time Marketing Insights and Consumer Engagement	Shanul Gawshinde; Ajay Khurana, Harsimran Kaur & Sukhpreet Kaur	Leveraging Emerging Technologies and Analytics for Empowering Humanity, Vol. 1	2025
30	Hybrid Optimal Feature Selection for Medical Data Analysis in IoT-Based Pregnancy	Pradeep K; Pooja Sapra; Ganesh Pandit Pathak; Shanul Gawshinde	IEEE Xplore	2025
31	Improving Aerial Image Registration by Outlier Filtering Through Feature Classification	Adusupalli Muni Raju; Kirubasankar K; Sanjay Agal; Shanul Gawshinde	IEEE Xplore l	2025
32	Detecting Bornean Orangutan Nests with Drones and YOLOv5	Sanjay C.P.; Janarthanan R.; Desai I.; Gawshinde S.	IEEE Xplore	2025
33	Evaluating Public Satisfaction with Public Service Applications using Supervised	Manisha Paliwal; D. Karthick Rajan; Falguni Tlajiya; Shanul Gawshinde	IEEE Xplore	2025
34	Image Translation Between Human Faces and Wayang Orang using U-GAT-IT	Desai I.; Priyanka S.A.; Raju A.M.; Bhoyar P.K.	IEEE Xplore	2025
35	Analyzing the Performance of Various Classification Algorithms in Diabetes Prediction	Girish Jadhav; Priyanka S A; Ganesh Pandit Pathak; Pravin Kumar Bhawan	IEEE	2025
36	Assessing Machine Learning Models for Natural Language Processing Tasks	Paliwal M.; Mahalakshmi S.; Farooqui Y.; Gawshinde S.	(ICDSIS	2025
37	Assessing the Effect of AI-Powered HR Analytics on Electronics Manufacturing Decision-Making	Ronak Gupta; Sanchita Kumar; Sunita Karad; Vivek Singh; Reena Lenka; Poonam Nikam	IEEE Xplore	2025
38	Multimodal Brain Tumor Segmentation Using a Dual-Branch Vision Transformer Integrated with Region-Attention Fusion Network	Sunita Yadwad; Rajeswari C; D. Nirmal Raj; Pravin Dange	IEEE Xplore	2025
39	Performance Enhancement and Secrecy Analysis of Hybrid RF/FSO Communication Links Under Combined κ-μ Fading and Exponential	Deepak Upadhyay; Prakhar Prakhar; Rashmy Moray; Rashmi Sharma; Nookala Venu; Shipra Shukla	IEEE Xplore	2025

40	Scalable Subspace Clustering via Purity Kernel Tensor Learning	Rachit Adhvaryu; S Rajes Kannan; Sanjay C. P; Pravin Dange	IEEE Xplore	2025
41	Digital Signature Authentication Using Deoxyribonucleic Acid Sequencing for Enhanced Online Verification	Raman R.; Kumar V.; Pillai B.G.; Rabadiya D.; Bhoyar P.K.; Kumbhojkar N.	IEEE Xplore	2025
42	Urban Mobility Optimization Using IoT Data Fusion and XGBoost for Shared Transportation	Chitra Sabapathy Ranganathan, Raman Ramakrishnan, Abhijeet Lele, A. P.Jaya Krishna, Vidya Lakshmi, Alin Wilson	Proceedings of the 2025 11th International Conference on Communication and Signal Processing, ICCSP 2025	2025
43	Student Performance Management in Higher Education: A Bibliometric Analysis	Jaya Chitranshi, Rajiv Divekar, Reena Lenka	Proceedings of Tenth International Congress on Information and Communication Technology	2025
44	Regulation of Fintech: Robo Advisory Services	Priyanka Divekar, Ankita Bhatia, Rajiv Divekar, Arti Chandani, Mohit Pathak, Prashant Uberhande	Intelligent Strategies for ICT	2025
45	Performance evaluation of AI driven fitness apps for elderly: Applying Vroom's expectancy theory of motivation	Komal Chopra	Proceedings - 2025 International Conference on Emerging Information Technology and Engineering Solutions, EITES 2025	2025
46	Perceived Trust and Risk Perception in Cross Border E-Commerce: Key Challenges	Smita Mehendale, Ameya Deshpande	Navigating Change Innovations in Management & Marketing	2025
47	Machine Learning—Book Recommendation Using KNN	Anuja Bokhare, Vanishree Pabalkar, Ronell Salunkhe	ICT: Applications and Social Interfaces (ICTCS 2024)	2025
48	Knowledge-Driven Hierarchical Reinforcement Learning Framework for Automated Disease Diagnosis in Dialysis	Poonima Jayaraman; Kamal Sutaria; Ganesh Pandit Pathak; Jaya Chitranshi	2025 3rd International Conference on Data Science and Network Security (ICDSNS)	2025
49	Intelligent Adaptation: Technological and Industrial Trends Shaping Post-pandemic Adoption	Vanishree Pabalkar, Rahul Dhaigude	ICT: Applications and Social Interfaces (ICTCS 2024)	2025
50	Improving Car Plate Recognition with Convolutional Neural Networks and Regular Expressions Correction	R. Janarthanan; Patik Patel; D. Nirmal Raj; Rajiv Divekar	2025 3rd International Conference on Data Science and Information System (ICDSIS)	2025

51	Hybrid Deep Learning Optimization for Predicting the Spread of Emerging Infectious Diseases	Pradeep K; Yassir Farooqui; K. Bharat Ramkumar; Rajiv Divekar	2025 3rd International Conference on Data Science and Information System (ICDSIS)	2025
52	Harnessing the Potential of AI in Gender Mainstreaming Activities in Education	Komal Chopra, Dipali More	Advances in Data-driven Computing and Intelligent Systems (ADCIS 2024)	2025
53	Fintech Payment Gateways: A Step Toward Digital Financial Inclusion	Ajay Khurana, Shanul Gawshinde, Harsimran Kaur & Sukhpreet Kaur	Innovative Computing and Communications (ICICC 2025)	2025
54	Extending Up Growth Prospects in Electronic Sectors with Advances in AI and Data Science	Jasbir Kaur; Reena Mahapatra Lenka; Sandip Sane; Harshal Raje; Nilesh Vitthal Limbore; Nilesh Anute	Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT)	2025
55	Exploring the Effects of AI Powered HR Analytics on Employee Performance in the FMCG Sector	Shamrao Parashram; Reena Mahapatra Lenka; Sharad Patil; Meena Sunildutt Sharma	2025 World Skills Conference on Universal Data Analytics and Sciences (WorldSUAS)	2025
56	Women in South Asia Through Fintech: Contribution to Sustainable Development Goals and	Priyanka Divekar, Ankita Bhatia, Rajiv Divekar & Arti Chandani	Intelligent Strategies for ICT (ICTCS 2024)	2025
57	A System for Performance Measurement in Higher Education	Reena (Mahapatra) Lenka, Rajiv Gopalkrishna Divekar, Jaya Chitranshi	Proceedings of Tenth International Congress on Information and Communication Technology	2025
58	of Robotic Process Automation (RPA) Across Retail Processes and Evaluate an Implementation	Ruby S. Chanda, Rahul Dhaigude	ICT: Applications and Social Interfaces (ICTCS 2024)	2025
59	Creating an Academic Performance Management Model for Higher Education	Jaya Chitranshi, Rajiv Divekar, Reena Lenka	Proceedings of Tenth International Congress on Information and Communication Technology	2025
60	Risk in Financial Institutions Through Technology	Rahul Dhaigude, Vanishree Pabalkar	ICT: Applications and Social Interfaces	2025
61	Data Science Implementation for Social Empowerment	Samrat Ray, Souvik Datta, Smita Mehendale, Mita Mehta	Proceedings of Tenth International Congress on Information and Communication Technology	2025

62	Designing a System of Performance Feedback Communication in Higher Education	Jaya Chitranshi, Rajiv Divekar, Reena Lenka	Proceedings of Tenth International Congress on Information and Communication Technology	2025
63	Motion: Investigating the Tech-Driven Aftermarket Potential of Gasoline Systems for Indian Passenger Cars	Vanishree Pabalkar, Ruby Chanda, G. Pradeep	ICT: Applications and Social Interfaces	2025
64	Drones for Smart Agriculture in India	Pradnya Vishwas Chitrao, Pravin Kumar Bhoyar, Rajiv Divekar	Information Systems for Intelligent Systems	2025
65	Sustainable Leadership Practices Adopted by Corporate and Defence	Hemlata Gaikwad, Yograj Ingale, Neha Sharma	ICT Systems and Sustainability	2025
66	System and Method of Conducting Online Exam Using Image Processing	Ruby Chanda, Reena Lenka	Smart Trends in Computing and Communications	2025
67	Sustainability Life Cycle Mapping Software and Services Leveraging Value Stream Mapping	Ruby chanda, Rahul Dhaigude	Smart Trends in Computing and Communications	2025
68	Drivers of Usage Intention of Chatbots by Bank Customers… A UTAUT Approach	Riya Reddy, Ayoush Singh, Keshav Tanwar, Rashmy Moray, Shikha Jain, Sridevi Chennamsetti	Smart Trends in Computing and Communications	2025
69	System to Strategize and Predict Employee Attrition and Retention in HR Management	Reena Lenka, Jaya Chitranshi, Vanishree Pabalkar	ICT Analysis and Applications	2025
70	The Role of AI in Agricultural Transformation	Ruby Chanda, Vanishree Pabalkar	Smart Trends in Computing and Communications	2025
71	Personalized Voice-Assisted Comprehensive Treatment of Visually Impaired Patients Using	Smita Mehendale, Reena Lenka	Smart Trends in Computing and Communications	2025
72	An Individual Perception and Consumer Behaviour on Mutual Funds	Reena Lenka, Jaya Chitranshi, Vanishree Pabalkar	ICT Analysis and Applications	2025
73	Artificial Intelligence for Enhanced Logistics Tracking in Hospitals	Rahul Dhaigude, Ruby Chanda, Shrikant Ghadge	ICT Systems and Sustainability	2025
74	Experience (CX) with Generative AI-Based Net Promoter Score (NPS) Prediction	Ruby S. Chanda, Vanishree Pabalkar, Priya Pradipkumar Tiwary	ICT Systems and Sustainability	2025

75	Artificial Intelligence for Enhanced Logistics Tracking in Hospitals	Rahul Dhaigude, Ruby Chanda, Shrikant Ghadge	ICT Systems and Sustainability	2025
76	Time Reduction: The Impact of Advanced Cutting Tools on Production Performance	Vanishree Pabalkar, Ruby Chanda, Debjyoti	Smart Trends in Computing and Communications	2025
77	Financial Tweets & News Using Machine Learning to Identify Trading Opportunities	Ruby S. Chanda, Rahul Dhaigude	ICT Analysis and Applications	2025
78	Brain Tumor Classification Performance on MRI using Deep Learning	D. Nirmal Raj, S. Amutha, Girish J. Jadhav, Shanul Gawshinde,	2025 3rd International Conference on Data Science and Information System (ICDSIS)	2025
79	Women in South Asia Through Fintech: Contribution to Sustainable Development Goals and	Priyanka Divekar, Ankita Bhatia, Rajiv Gopalkrishna Divekar, Arti Chandani	Intelligent Strategies for ICT (ICTCS 2024)	2025
80	Graph Metric Learning Guided by Model Selection Principles	Umang Soni; Rajeswari. C; Ganesh Pandit Pathak; Pravin Dange	Conference on Data Science and Network Security (ICDSNS)	2025
81	Drones for Smart Agriculture in India	Pradnya Vishwas Chitrao, Pravin Kumar Bhoyar, Rajiv Divekar	Information Systems for Intelligent Systems (ISBM 2024)	2025
82	Motion: Investigating the Tech-Driven Aftermarket Potential of Gasoline Systems for Indian Passenger Cars	Vanishree Pabalkar, Ruby Chanda, G. Pradeep	ICT: Applications and Social Interfaces (ICTCS 2024)	2025
83	Designing a System of Performance Feedback Communication in Higher Education	Jaya Chitranshi, Rajiv Divekar, Reena Lenka	Proceedings of Tenth International Congress on Information and Communication Technology (ICICT 2025)	2025
84	AI-Driven Robotics and IoT for Advanced Precision Orchard Management	Ranganathan; Ramakrishnan Raman; Brig Rajiv Divekar; N. Jeevitha; A Thilagavathy; Monishbabu K P	2025 11th International Conference on Communication and Signal Processing (ICCSP)	2025
85	Exploring Trust Factors in Virtual Finance: The Role of Human–Computer Interaction in Shaping User Intentions in Metaverse Banking	Rashmy Moray,	Springer Science and Business Media Deutschland GmbH	2025

86	Blockchain in Training Management	Pandey, S.,Gaikwad, H.,Saxena, V.,Rani, S.,Kumari, S.	Lecture Notes in Networks and Systems Springer Science and Business Media Deutschland GmbH	2026
87	Sustainable Leadership Practices Adopted by Corporate and Defence	Pandey, S.Gaikwad, H Ingale, Y.Sharma, N.	Springer Science and Business Media Deutschland GmbH	2026
88	Adaptation of AI in Education: An Indian Context	Pandey, S.,Gaikwad, H.,Pandey, A.,Anjali,Shaikh, S.	Springer Science and Business Media Deutschland GmbH	2026
89	System and Method of Conducting Online Exam Using Image Processing	Mehendale, S.,Lenka, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
90	Sustainability Life Cycle Mapping Software and Services Leveraging Value Stream Mapping	chanda, R.,Dhaigude, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
91	Personalized Voice-Assisted Comprehensive Treatment of Visually Impaired Patients Using	Mehendale, S.,Lenka, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
92	Application of Sentiment Analysis in Marketing	Pabalkar, V.Chanda, R.Yadav, Y.Patil, M.	10th International Conference on ICT for Sustainable Development, ICT4SD 2025	2026
93	System to Strategize and Predict Employee Attrition and Retention in HR Management	Lenka, R., Chitranshi, J., Pabalkar, V.	10th International Conference on ICT for Sustainable Development, ICT4SD 2025	2026
94	Sentiment in a Multilingual Twitter Landscape via	Pabalkar, V.,Bokhare, A.	10th International Conference on ICT for Sustainable Development, ICT4SD 2025	2026
95	Customer Predictive Analytics for Marketing Automation and Market Accountability	Lenka, R.M.,Chitranshi, J.,Pabalkar, V.	4th World Conference on Information Systems for Business Management, ISBM 2025	2026
96	Technologies in India's Electric Vehicle Market: Challenges and Strategic Solutions	Pabalkar, V.,Dhaigude, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
97	Data Integrity in Payroll Systems Using Blockchain and IPFS	Lenka, R.,Gupta, R.,Pabalkar, V.,Chitranshi, J.	10th International Conference on ICT for Sustainable Development, ICT4SD 2025	2026
98	Algorithmic Trading: A Prospect Theory Perspective	Moray, R.,Vaishnav, S.Dey, S.Chennamsetti, S. Thorve, H.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026

99	Usage Intention of Robo-Advisory Services Among Gen Z Through DM ISS Model Dimensions	Moray, R.,Chenammasetti, S.Jain, S.Ankita Shivani	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
100	The Impact of Green Marketing on Consumer Behavior	Chitrao, P.V.Bhoyar, P.K.Bakshi, R.	13th International Conference on Frontiers in Intelligent Computing: Theory and Applications, FICTA 2025	2026
101	on the Elements that Led to the Development of Digital Payments in India During COVID	Chitrao, P.V.,Bhoyar, P.K.,Divekar, R.	on Information and Communication Technology for Intelligent Systems, ICTIS 2025	2026
102	Sustainable Leadership Practices Adopted by Corporate and Defence	Pandey, S.,Gaikwad, H.,Ingale, Y.Sharma, N.	10th International Conference on ICT for Sustainable Development, ICT4SD 2025	2026
103	System and Method of Conducting Online Exam Using Image Processing	Chanda, R. , Lenka, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026
104	Sustainability Life Cycle Mapping Software and Services Leveraging Value Stream Mapping	chanda, R.Dhaigude, R.	9th International Conference on Smart Trends in Computing and Communications, SmartCom 2025	2026