List of Journal Publications for 2024-2025

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/ Scopus/ Web of Science /other, mention
Comprehensive empirical investigation for prioritizing the pipeline of using feature selection and data resampling techniques	Pooja Tyagi, Jaspreeti Singh, Anjana Gosain	USICT	Journal of Intelligent & Fuzzy Systems	2024	1064-1246 (P), 1875-8967 (E)	https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press		WoS (SCIE)
B-HPD: Bagging-based hybrid approach for the early diagnosis of Parkins	Ritika Kumari, Jaspreeti Singh, Anjana Gosain	USICT	Intelligent Decision Technologies	2024	1872-4981 (P), 1875-8843 (E)	https://content.iospress.com/journals/intelligent-decision-technologies/Pre-press/Pre-press		WoS (ESCI)

on's disease								
Comparative analysis of various fuzzy clustering algorithms for linearly and non-linearly separable data	Kavita Sethia, Anjana Gosain, Jaspreeti Singh	USICT	Innovation in Systems and Software Engineering	2024	1614-5046 (P), 1614-5054 (E)		https://link.springer.com/journal/11334	ESCI
A Comparative Analysis Of Deep Transfer Learning Techniques for Mammographic Image Classification	Bhavesh Gupta, Akshay Singh, Anjana Gosain	USICT	Proceedings of Engineering Sciences	2024	2620-2832 (P), 2683-4111 (E)		https://pesjournal.net/	SCOPUS
Addressing class imbalance in remote sensing using deep learning approaches: a systematic	Shweta Sharma, Anjana Gosain	USICT	Evolutionary Intelligence	2025	1864-5909 (P), 1864-5917 (E)		https://link.springer.com/journal/12065	ESCI

literature review								
DOFCM-PSO: A novel hybridized fuzzy clustering techniqe for segmentation of noisy mammogram images	Kanika Bhalla, Anjana Gosain	USICT	Journal of Information and Optimization Sciences	2025	0252-2667 (P), 2169-0103 (E)	https://www.tarupublications.com/journal/JIOS		WoS (ESCI)
Advancing brain tumor detection with neurofusion: an innovative CNN-LSTM model featuring a novel activation function	Usha Rawat, CS Rai	USICT	Springer	2024	1863-2386 (print) and 1863-2394 (online		https://link.springer.com/article/10.1007/s11761-024-00423-w	WoS (SCIE)
Exploring meta-heuristics for partitional clustering: methods, metrics, datasets, and challenges.	Arvinder Kaur, Yugal Kumar, Jagpreet Sidhu	USAR	Artificial Intelligence Review	2024	00269-2821 / 1573-7462		https://link.springer.com/article/10.1007/s10462-024-10920-1	Scopus

An enhanced human learning optimisation algorithm for effective data clustering.	Jigyasa Goyal, Yugal Kumar, Pardeep Kumar, Arvinder Kaur	USAR	International Journal of Grid and Utility Computing	2024	1741-847X / 1741-8488		https://www.inderscience.com/info/inarticle.php?artid=137905	Scopus,(ECIE)
A Novel Technique for Optimization of Artificial Neural Network Using Ensemble of Chimp, Harris Hawks and Manta Ray Foraging Optimization Algorithms for Enhancing Software Maintainability Prediction	Varun Goel, Arvinder kaur	USAR	Arabian Journal for Science and Engineering	2025	2193-567X, 2191-4281		https://link.springer.com/article/10.1007/s13369-025-10031-1	UGC-CARE, Scopus(SCIE)
Deep learning based bi-polar sentiment classification of movie reviews	Ankita Sharma, Udayan Ghose	USICT	Journal of Statistics & Management Systems	2024	0972-0510	https://www.tandfonline.com/journals/tsms20		UGC-CARE

in Hindi								
Toward Stacking Ensemble Based Bipartite Sentiment Classification of Hindi Movie Review Text	Ankita Sharma, Udayan Ghose	USICT	International Journal of Engineering Trends and Technology	2024	2231–5381	https://ijnrd.org/		Scopus
Code smells analysis for android applications and a solution for less battery consumption	Gupta, A., Suri, B., Sharma, D.	USICT	Scientific Reports	2024	2045-2322		https://doi.org/10.1038/s41598-024-67660-z	
Optimization of resin printing parameters for improved surface roughness using metaheuristic algorithms: a multifaceted approach	Anmol Sharma, Pushpendra S Bharti	USIC&T	Journal of Materials Engineering and Performance	Oct-24	1059-9495		https://link.springer.com/article/10.1007/s11665-024-10296-x	SCIE

Bi-Objective predictive modelling and optimization in micro-electrical discharge machining process using an artificially intelligent system	P Pant, Pushpendra S Bharti	USIC&T	Engineering Applications of Artificial Intelligence	Mar-25	0952-1976		https://www.sciencedirect.com/science/article/abs/pii/S0952197624021341	SCIE
Modelling Dimensional Accuracy and Surface Roughness in Resin Additive Manufacturing through Neural Network: A Multi-objective Optimization Approach in Dentistry	Anmol Sharma, Pushpendra S Bharti	USIC&T	Journal of Materials Engineering and Performance	Feb-25	1059-9495		https://link.springer.com/article/10.1007/s11665-025-10800-x	SCIE
Transforming orthodontic retention: potential of 3D	Anmol Sharma, Pushpendra S Bharti	USIC&T	Journal of Medical	Feb-26	0309-1902		https://www.tandfonline.com/doi/abs/10.1080/03091902.2025.2466198	Scopus

printing and biocompatible material characteristics								
Design and Fabrication of Automated Rivet Assembly and Pneumatic Punching Systems	Mukul Kumar, Sourabh Anand, Parveen Kumar, Pushpendra S Bharti, Ashish Payal, Ajay Kumar	USIC&T	Trends in Mechatronics Systems, Springer, Singapore	Dec-24	—		https://link.springer.com/chapter/10.1007/978- 981-97-9108-8_1	
Development of Models to Predict Flexural Strength of 3D Printed Specimens in Terms of Input Parameters	Manohar Singh, Pushpendra S Bharti	USIC&T	Transdisciplinary Research and Education Center for Green Technologies, Kyushu University	Jun-24	—		https://catalog.lib.kyushu-u.ac.jp/opac_detail_md/?lang=0&amode=MD100000&bibid=7183438	
Computer-Aided Detection and Diagnosis of Breast Cancer: a Review	Bhanu Prakash Sharma & Ravindra Kumar Purwar	USIC&T	Advances in Distributed Computing and Artificial Intelligence Journal	2024	2255-2863		https://www.tandfonline.com/doi/abs/10.1080/00207217.2024.2354069	ESCI
Enhanced medical image watermarking using hybrid	H. Chaudhary, P. Garg, and V. P. Vishwakarma	USIC&T	Scientific Reports	2025	—		https://doi.org/10.1038/s41598-025-94080-4	

DWT-HMD-SVD and Arnold scrambling								
MKD-Net: A Novel Neuro Evolutionary Approach for Blockchain-based Secure Medical Image Classification using multi-Kernel DLM	V. P. Vishwakarma and A. K. Yadav	USICT	IEEE Access	2025			https://doi.org/10.1080/23311975.2025.2518496	
TwinNet: Spatial Feature Deep Learning Enhanced Dual Network	M. Shree, B. Rana, A. Premi, A. K. Mohapatra, V. P. Vishwakarma	USICT	Procedia Computer Science	2025		TwinNet in Procedia CS (Deakin Repository) (dro.deakin.edu.au, worldscientific.com)		
ConFERNet: A low trainable parameter based novel light-weight convolutive feature extraction recurrent network for	M. Shree, A. K. Mohapatra, H. Suwanwiwat, V. P. Vishwakarma, I. Lee	USICT	Signal, Image and Video Processing	2025	1863-1703		ConFERNet on ivySCI / DOI:10.1007/s11760-024-03603-5	Scopus & WoS

high accuracy suspect identification								
An integrated blockchain and fractional DCT based highly secured framework for storage and retrieval of retinal images	A. K. Yadav & V. P. Vishwakarma	USICT	Ain Shams Engineering Journal	2024	2090-4479			Scopus
A Novel Non-Iterative Deep Convolutional Neural Network with Kernelized Classification for Robust Face Recognition	V. P. Vishwakarma, R. Gupta, A. K. Yadav	USICT	Engineering, Technology & Applied Science Research	2024	1792-8036			Scopus
Approximate regeneration of image using fragile watermarking for tamper detection and recovery in	V. Sisaudia & V. P. Vishwakarma	USICT	Multimedia Tools & Applications	2024	1380-7501			Scopus

real time								
Analysis of healthcare data security with DWT-HD-SVD based algorithm invisible watermarking against multi-size watermarks	H. Chaudhary & V. P. Vishwakarma	USICT	Scientific Reports	2024	2045-2322			WoS
Robust face recognition using quaternion interval type II fuzzy logic–based feature extraction on colour images	S. Yadav & V. P. Vishwakarma	USICT	Medical & Biological Engineering & Computing	2024	0140-0118			Scopus
A Revolutionary Approach to COVID-19 Detection Using a Novel Transformer Based Architecture	A. Husain & V. P. Vishwakarma	USICT	Tuijin Jishu / Journal of Propulsion Technology	2024	1001-4055			UGC-CARE

ConFERNet: A low trainable parameter based novel light-weight convolutive feature extraction recurrent network for high accuracy suspect identification	M. Shree, A. K. Mohapatra, H. Suwanwiwat, V. P. Vishwakarma	USICT	Signal, Image and Video Processing	2025	1863-1703		ConFERNet on ivySCI / DOI:10.1007/s11760-024-03603-5	Scopus & WoS
Semantic search framework over knowledge bases using embeddings-based similarity	Aatif Ahmad Khan, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Discrete Mathematical Sciences & Cryptography	Jul-24	2169-0065		https://tarupublications.com/doi/10.47974/JDMSC-2047	WoS (ESCI), Scopus
Part of speech-based semantic similarity for RDF Predicate Selection: A benchmarking approach	Aatif Ahmad Khan, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Information and Optimization Sciences	Dec-24	2169-0103		https://www.tarupublications.com/doi/10.47974/JIOS-1781	WoS (ESCI)

An Efficient FTS-BERT based fake news detection using CKH_GANs classification technique	Pooja Malhotra, Sanjay Kumar Malik	USICT	Multimedia Tools and Applications	May-24	1573-7721		https://link.springer.com/article/10.1007/s11042-024-19249-x	WoS (ESCI), Scopus
Fractional Cross Entropy-Based Loss Function for Classification of IoT Services with Semantic Graph based on IFTTT Recipes	Nikita Malik, Sanjay Kumar Malik	USICT	Signal, Image and Video Processing	Apr-24	1863-1703		https://link.springer.com/article/10.1007/s11760-024-03132-1	WoS (SCIE), Scopus
Semantic Web of Things for pollution measurement and validation interoperability using AI Techniques	Nikita Malik, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Information and Optimization Sciences	Apr-24	2169-0103		https://tarupublications.com/doi/10.47974/JIOS-1517	WoS (ESCI)

Semantic search framework over knowledge bases using embeddings-based similarity	Aatif Ahmad Khan, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Discrete Mathematical Sciences & Cryptography	Jul-24	2169-0065		https://tarupublications.com/doi/10.47974/JDMSC-2047	WoS (ESCI), Scopus
Part of speech-based semantic similarity for RDF Predicate Selection: A benchmarking approach	Aatif Ahmad Khan, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Information and Optimization Sciences	Dec-24	2169-0103		https://www.tarupublications.com/doi/10.47974/JIOS-1781	WoS (ESCI)
An Efficient FTS-BERT based fake news detection using CKH_GANs classification technique	Pooja Malhotra, Sanjay Kumar Malik	USICT	Multimedia Tools and Applications	May-24	1573-7721		https://link.springer.com/article/10.1007/s11042-024-19249-x	WoS (ESCI), Scopus
Fractional Cross Entropy-Based Loss Function for Classification of IoT	Nikita Malik, Sanjay Kumar Malik	USICT	Signal, Image and Video Processing	Apr-24	1863-1703		https://link.springer.com/article/10.1007/s11760-024-03132-1	WoS (SCIE), Scopus

Services with Semantic Graph based on IFTTT Recipes								
Semantic Web of Things for pollution measurement and validation interoperability using AI Techniques	Nikita Malik, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Information and Optimization Sciences	Apr-24	2169-0103		https://tarupublications.com/doi/10.47974/JIOS-1517	WoS (ESCI)
Gain enhancement of antenna using tuned complementary FSS for wireless communication	Yukti Anand & Vandana Nath	USICT	International Journal of Electronics	2024	0020-7217 / 1362-3060		https://www.tandfonline.com/doi/abs/10.1080/00207217.2024.2354069	SCIE
Examination of the M-MIMO NOMA over Time Selective Channel Employing QRM-MLD MMSE	Shimpee Seema, bvr Reddy, Ravi Shankar, Preeti Singh and Vandana Nath	USICT	JOURNAL OF INFORMATION SCIENCE AND ENGINEERING	2025	1016-2364		https://jise.iis.sinica.edu.tw/JISESearch/pages/View/PaperView.jsf?keyId=203_2765	SCIE

Algorithm								
A Systematic Review of Machine Learning-based Small-Signal Modeling Approaches for Gallium Nitride High Electron Mobility Transistors: Performance Analysis and Algorithmic Insights.	Neda Ahmad, Vandana Nath	USICT	Indian Journal of Pure & Applied Physics	2025	0019-5596 / 0975-1041		https://or.niscpr.res.in/index.php/IJPAP/article/view/13938	SCIE
Dual polarized gain enrichment of a low-cost multi-band circular fractal antenna using tunable stacked FSS for wireless	Yukti Anand, Vandana Nath	USICT	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	2024	2228-6179 / 2364-1827		https://link.springer.com/article/10.1007/s40998-024-00728-8	SCIE

applications								
Evaluating Nine Machine Learning Algorithms for GaN HEMT Small Signal Behavioral Modeling through K-fold Cross-Validation	Neda Ahmad, Vandana Nath	ECE, USICT	Engineering, Technology & Applied Science Research	2024	1792-8036		https://www.etasr.com/index.php/ETASR/article/view/7726	SCIE
Examination of the M-MIMO NOMA over Time Selective Channel Employing QRM-MLD MMSE Algorithm	Shimpee Seema, BVR Reddy, Ravi Shankar, Preeti Singh, and Vandana Nath	USICT	JOURNAL OF INFORMATION SCIENCE AND ENGINEERING	2025	1016-2364		https://doiserbia.nb.rs/Article.aspx?id=1451-48692402275A	SCIE
A Systematic Review of Machine Learning-based Small-Signal Modeli	Neda Ahmad, Vandana Nath	USICT	Indian Journal of Pure & Applied Physics	2025	0019-5596 / 0975-1041		https://doiserbia.nb.rs/Article.aspx?id=1451-48692402275A	SCIE

ng Approaches for Gallium Nitride High Electron Mobility Transistors: Performance Analysis and Algorithmic Insights.								
Energy based multi objective golden jackal optimization for cluster based routing in wireless sensor network	Tahira Mazumder, BVR Reddy, Ashish Payal	USICT	Soft Computing	2024	—-		https://link.springer.com/article/10.1007/s12596-025-02585-y	WoS(SCIE)
A Comprehensive Review Of Satellite Communication System And RF-FSO Wireless Technologies	Varun Jain, BVR Reddy, Ashish Payal	USICT	Journal of Optics	Feb-25	—-		https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5986	WoS(SCIE)

Empowering cognitive radio networks: residual inception–enriched recurrent convolutional neural network–driven QOS enhancement and energy efficiency strategy	Chandra Mohan Dharmapuri, BV Ramana Reddy, Ashish Payal	USICT	International Journal of Communication Systems	2025	——		https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5986	WoS
Enhanced super-resolution generative adversarial network augmented convolution neural network for pneumonia prognosis in India: promising health policy implications	Tapan Kumar, R.L. Ujjwal	USICT	International Journal of System Assurance Engineering and Management	Apr-25			https://link.springer.com/article/10.1007/s13198-025-02757-w	UGC-CARE

TabNet unveils predictive insights: a deep learning approach for Parkinson's disease prognosis	Tapan Kumar, R.L. Ujjwal	USICT	International Journal of System Assurance Engineering and Management	Aug-24	0975-6810		https://link.springer.com/article/10.1007/s13198-024-02450-4	UGC-CARE
Multi-resolution analysis and deep neural network architecture based hybrid feature extraction technique for plant disease identification and severity estimation	Kirti K., N. Rajpal, J. Yadav, and K. K. Mondal	USICT	Evolutionary Intelligence	2024			doi: 10.1007/s12065-022-00800-4	SCOPUS
An effectual multiscale feature extraction in integer wavelet transform domain for illumination invariable face	J. Chaudhary and J. Yadav	USICT	International Journal of Applied Pattern Recognition	2024			doi: 10.1504/IJAPR.2024.146813	scopus

recognition								
A new fuzzy-based color reflectance space with selective feature extraction: Face recognition under diversified illuminations	J. Chaudhary, J. Yadav, and N. Rajpal	USICT	Arabian Journal for Science and Engineering	2024			doi: 10.1007/s13369-023-08450-z.	SCIE
Hyperparameter tuning of CNN based potato plant disease detection model integrated with GridSearchCV	Kajal Kaul, Anuradha Chug, Amit Prakash Singh, Ravinder Kumar & V. Shanmugam	USICT	Journal of Information and Optimization Sciences	2025	2169-0103		https://tarupublications.com/doi/10.47974/JIOS-1846	WoS(ESCI)
Determination of optimum refactoring sequence for maximizing the maintainability	Sandhya Tarwani, Anuradha Chug	USICT	International Journal of System Assurance Engineering and Management	2025	0976-4348		https://link.springer.com/article/10.1007/s13198-024-02639-7	WoS(ESCI)

of object-oriented systems using machine learning algorithms								
Adaptive Disease Detection Algorithm Using Hybrid CNN Model for Plant Leaves	Raj Kumar, Anuradha Chug, Amit Prakash Singh	USICT	Optical Memory and Neural Networks	2024	1934-7898		https://link.springer.com/article/10.3103/S1060992X24700231	WoS(ESCI)
Enhancement of Neural Network Performance with the Use of Two Novel Activation Functions: modExp and modExpm	Heena Kalim, Anuradha Chug, Amit Prakash Singh	USICT	Optical Memory and Neural Networks	2024	1934-7898		https://link.springer.com/article/10.3103/S1060992X24700152	WoS(ESCI)
Determination of Optimum Refactoring Sequence for Maximizing the Maintainability	Sandhya Tarwani, Anuradha Chug	USICT	Research Square	2024	2693-5015		https://www.researchsquare.com/article/rs-3971001/v1	Scopus

of Object-Oriented Systems using Machine Learning algorithms								
Meteorological Factor-Based Tomato Early Blight Prediction Using Hyperparameter Tuning of Intelligent Classifiers	Ayushi Gupta, Anuradha Chug, Amit Prakash Singh	USICT	Agricultural Research	2024	0976-058X		https://link.springer.com/article/10.1007/s40003-023-00691-6	WoS(ESCI)
Understanding the effect of batch refactoring on software quality	Mansi Agnihotri, Anuradha Chug	USICT	International Journal of System Assurance Engineering and Management	2024	0976-4348		https://link.springer.com/article/10.1007/s13198-023-02247-x	WoS(ESCI)
modSwish: a new activation function for neural network	Heena Kalim, Anuradha Chug, Amit Prakash Singh	USICT	Evolutionary Intelligence	2024	1864-5909		https://link.springer.com/article/10.1007/s12065-024-00908-9	WoS(ESCI)

Processing and optimized learning for improved classification of categorical plant disease datasets	Ayushi Gupta, Anuradha chug, Amit Prakash Singh	USICT	Intelligent Data Analysis	2024	1571-4128		https://content.iospress.com/articles/intelligent-data-analysis/ida230651	WoS(SCIE)
A method for product ranking based on aspect based sentiment analysis of online reviews	Tanu Sharma, Kamaldeep Kaur	USIC&T	Intelligent Decision Technologies	2024	ISSN 1872-4891,EISSN		https://journals.sagepub.com/doi/10.1177/18724981241295953	ESCI Web of Science
Improved RSA with Enhanced Security on STM32 @ 84MHz	Ankita Sarkar; Mansi Jhamb	USIC &T, GGSIPU	Journal of Circuits, Systems, and Computers	2024	0218-1266	Journal website	10.1142/S0218126624502748	Scopus; Web of Science (SCIE)
A Novel Active Inductor Based Low Noise Amplifier for Analog Front End of Bio-medical Applications	Pritty; Mansi Jhamb	USIC &T, GGSIPU	Arabian Journal for Science and Engineering	2024	2193-567X	Journal website	10.1007/s13369-024-09082-7	Scopus; Web of Science (SCIE)

Variability aware ultra-low power design of NOR/NAND gate using non-conventional techniques	Uma Sharma; Mansi Jhamb	USIC &T, GGSIPU	Engineering Research Express	2024	2631-8695	Journal website	10.1088/2631-8695/ad22bf	Scopus; Web of Science (ESCI)
Secure and portable health monitoring system for cyber physical systems in internet of things	Ankita Sarkar; Mansi Jhamb	USIC &T, GGSIPU	Engineering Research Express	2024	2631-8695	Journal website	10.1088/2631-8695/ad5269	Scopus; Web of Science (ESCI)
A Novel and Voltage Resilient Design of Ultra-High-Speed Low Power Keeper Based Full Adder	Uma Sharma; Mansi Jhamb	USIC &T, GGSIPU	Circuits, Systems, and Signal Processing	2024	0278-081X	Journal website	10.1007/s00034-024-02830-y	Scopus; Web of Science (SCIE)
An Intelligent and Efficient CNN-AES Framework	A. Saini and R. Sehrawat	USIC&T	Engineering Research Express	2024	——-		https://doi.org/10.1088/2631-8695/ada3af	ESCI /Scopus

for Image Block Encryption with a Multi-Key Approach								
Enhancing Data Security through Machine Learning-based Key Generation and Encryption	A. Saini and R. Sehrawat	USIC&T	Engineering, Technology & Applied Science Research	2024	——		https://doi.org/10.48084/etasr.7181	ESCI/Scopus
Enhancing information security and efficiency through integration of neural networks with RSA Cryptography	Abhishek & Sehrawat, Ruchi	USIC&T	Journal of Information and Optimization Science	2025	——		10.47974/JIOS-1837	ESCI/Scopus
Chest X-Ray Image Classification: DenseNet169 Model for Medical Diagnostics	M. Meena and R. Sehrawat	USIC&T	African Journal of Biological Sciences	2024	——-		https://doi.org/10.48047/AFJBS.6.11.2024.%20125-145	ESCI/Scopus

Predictive Modeling and Optimization of Tensile and Flexural Strength in FDM 3D Printing Using Decision Trees and Bayesian Optimization.	M K Satyarthi	USICT	journal of polymer and composites	2024	Yes		https://link.springer.com/article/10.1007/s12008-024-02177-3	Scopus
TOPSIS-Driven Optimization of FFF Process Parameters for Mechanical Strength Enhancement	M K Satyarthi	USICT	journal of polymer and composites	2024			https://www.stmjournals.com/Journal-of-Polymer-and-Composites.html	
Optimizing FFF Process Parameters to enhance PLA Performance on low-cost 3D printers	M K Satyarthi	USICT	Journal of Electronics and power Engineering	2025			https://fringeglobal.com/ojs/index.php/jepe/article/view/optimizing-fff-process-parameters-to-enhance-pla-performance-on-	
Neural network-based modeling of FFF process	M K Satyarthi	USICT	PART E: Journal of process mechanical	2024			https://journals.sagepub.com/doi/abs/10.1177/09544089241272752	

for PET-G: Evaluating MLPNN and RBFNN performance in mechanical property prediction			engineering					
Optimizing mechanical properties of PETG fabricated parts via PSO-BFO hybrid algorithm in fused deposition modelling	M K Satyarthi	USICT	International Journal of interactive Design and Manufacturing	2025	2321-8525		https://link.springer.com/article/10.1007/s12008-024-02177-3	

List of Conference Publications for 2024-2025

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	Year of publication	ISBN/ ISSN number of the proceeding	Whether at the time of publication affiliating institutions was same (Yes/No)	Name of the publisher

1	Prof. Anjana Gosain, Dean	Algorithms for Intelligent Systems (AIS)	Artificial Intelligence for Early Detection of Breast Cancer: Comparative Analysis Using Ensemble Methods	Proceedings of Data Analytics and Management	International ConInternational Conference on Artificial Intelligence and its Applicationference on Artificial Intelligence and its Application	2025	978-981-97-8073-0 (P), 978-981-97-8074-7(E)	USICT	Elsevier
2	Prof. Anjana Gosain, Dean		Enhancing Model Performance in Hybrid Class Imbalance Techniques	Procedia Computer Science	International Conference on Machine Learning and Data Engineering	2025	1877-0509	USICT	Elsevier
3	Prof. Arvinder Kaur	Pattern Recognition. ICPR 2024 International Workshops and Challenges	Exploring CNN Model Optimization Strategies for Plant Disease Classification.	ICPR 2024: Kolkata, India, Workshops and Challenges - Part I	Pattern Recognition. ICPR 2024 International Workshops and Challenges	2024	Print ISSN: 0302-9743,Electronic ISSN: 1611-3349	USAR	Springer
4	Prof. Arvinder Kaur	Lecture Notes in Electrical Engineering	Exploring Defect Density Prediction: A Comparative Analysis of Feature Reduction Techniques and Staking Methodology	Lecture Notes in Electrical Engineering (LNEE), Volume 1278	Intelligent Solutions for Smart Adaptation in Digital Era	2024	Print ISSN: 1876-1100, Electronic ISSN (eISSN): 1876-1119	USAR	Springer

5	Prof. Arvinder Kaur	Procedia Computer Science, Volume 258	Software Maintainability Datasets Collection across Android and Apache Kafka Versions	Proceedings of the International Conference on Machine Learning and Data Engineering (ICMLDE 2025)	International Conference on Machine Learning and Data Engineering (ICMLDE 2025)	2025	Print ISSN: 1876-1100, Electronic ISSN (eISSN): 1876-1119	USAR	Springer
6.	Prof. Anjana Gosain	Procedia Computer Science	Whale optimization-based synthetic minority oversampling technique for binary imbalanced datasets		International Conference on Machine Learning and Data Engineering	2024	1877-0509	USICT	Elsevier
7.	Prof. Anjana Gosain	Procedia Computer Science	Handling incomplete data using Radial basis Kernelized Intuitionistic Fuzzy C-Means		International Conference on Machine Learning and Data Engineering	2024	1877-0509	USICT	Elsevier
8.	Prof. Anjana Gosain	Procedia Computer Science	Revolutionizing Missing Data Handling with RFKFCM: Random Forest-based Kernelized Fuzzy C-Means		5th International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2024)	2024	1877-0509	USICT	Elsevier

9.	Prof. Anjana Gosain		Diagnosis of Parkinson Disease Using Ensemble Methods for Class Imbalance Problem		Proceedings of Data Analytics and Management	2024	2367-3370	USICT	Springer
10.	Prof. Udayan Ghose	Intelligent Computing and Communication Techniques	Comparative study on soft computing techniques			2025	9.781E+12	USAR	
11.	Prof. Amit Prakash Singh		LC - VCO design with active inductor for low power and high frequency applications		2024 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES)	2024	979-8-3503-6404-0	USICT	IEEE
12	Prof. Amit Prakash Singh		Resiplant-5: a Cnn Model for Disease Detection in Citrus Fruits and Leaves		2024 International Conference on Sustainable Technology and Engineering (i-COSTE)	2024	979-8-3315-1733-5	USICT	IEEE
13	Prof. Amit Prakash Singh		Sugarcane Disease Classification: Fine-Tuning Deep Learning Models Through Transfer Learning		2024 International Conference on Artificial Intelligence and Emerging Technology (Global AI Summit)	2024	979-8-3503-7971-6	USICT	IEEE

14	Prof. Amit Prakash Singh		Leveraging Feature Extraction and Machine Learning for Effective Plant Disease Classification		2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON)	2024	979-8-3315-1859-2	USICT	IEEE
15	Prof. Amit Prakash Singh		Optimizing Various Aspects of D-Statcom Using Hho Algorithm for Distribution System		2024 IEEE 11th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	2024	979-8-3503-7872-6	USICT	IEEE
16	Prof. Amit Prakash Singh		Transfer Learning for Leaf Disease Image Classification via CNN Model		International Conference on Artificial Intelligence and Speech Technology	2024	978-3-031-91339-6	USICT	Springer, Cham
17	Prof. Amit Prakash Singh		Deep Learning Techniques For Dental Caries Detection And Prosthodontics: A Systematic Review		2025 2nd International Conference on Computational Intelligence, Communication Technology and Networking (CICTN)	2024	979-8-3315-3038-9	USICT	IEEE
18	Prof. Ravindra Kumar Purwar		Anomaly Event Detection Using Isolation Forest on Surveillance Videos		International Conference on Artificial Intelligence and Emerging Technology (ICAIET)	2025	979-8-3503-7971-6	USICT	

19	Prof. Virendra Prasad Vishwakarma		CRNet: Convolutive Recurrent Network for Suspect Face Identification	Int. Conf. on Advanced Network Technologies and Intelligent Computing		2025	978-3-031-83789-0	USICT	
20	Prof. Virendra Prasad Vishwakarma	Blockchain technologies: Shaping futuristic smart countries	Computational Intelligence Applications in Cyber Security			2025	9.781E+12	USICT	
21	Prof. Virendra Prasad Vishwakarma	Blockchain technologies," in Computational Intelligence Applications in Cyber Security	Computational Intelligence Applications in Cyber Security			2004		USICT	
22	Prof. Virendra Prasad Vishwakarma	Blockchain role in enhancing financial risk management in banking sector using correlation analysis	Computational Intelligence Applications in Cyber Security			2024		USICT	
23	Prof. Virendra Prasad Vishwakarma		Blockchain-based Framework for Sustainable Image Security and Encryption	Proceedings of 4th International Conference on ICT for Digital, Smart, and Sustainable Development		2024	978-981-97-7830-0	USICT	

24	Prof. Virendra Prasad Vishwakarma		A Recurrent Feature Iterative Network for Suspect Identification using Convolutional and Long Short-Term Memory Approach			2024	978-981-97-6036-7	USICT	
25	Prof. Virendra Prasad Vishwakarma		Watermark Intensity Effect on Robustness and Imperceptibility of Medical Images	Doctoral Symposium on Computational Intelligence		2024	—	USICT	
26	Prof. Virendra Prasad Vishwakarma		An Integrated Arnold and Bessel Function-based Image Encryption on Blockchain		international Conference on Machine Learning and Data Engineering (ICMLDE 202	2024		USICT	
27	Prof. Sanjay Kumar Malik		Sentiment Analysis in Images: Revisiting Multi-Model Approaches	IEEE Proceedings of the 13th International Conference on System Modeling & Advancement in Research Trends (SMART)		Dec-24	979-8-3503-8058-3	USICT	

28	Prof. Vandana Nath	Advancement of Intelligent Computational Methods and Technologies	Comparative Analysis of Machine Learning Algorithms for High Electron Mobility Transistor (HEMT) Modeling			2024	9.781E+12	USICT	
29	Prof. Vandana Nath		Comparative Analysis of Reversible Arithmetic Logic Units (R-ALU) Using Verilog	International Conference on Electronics, Communication and Signal Processing (ICECSP)	international Conference on Machine Learning and Data Engineering (ICMLDE 202	2024	62339-EDKCON,	USICT	
30	Prof. Vandana Nath		Implementation of High-K Gate Dielectric in Cylindrical SOI Schottky Barrier MOSFET for Enhanced ION/IOFF Ratio	IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON)		2024	61809 - ICECSP	USICT	
31	Prof. Rinkaj Goyal	Cellular Automata Technology	Exploring Opinion Dynamics through Social Influence, Online Communication, and Leadership: A Fuzzy	4th Asian Symposium, ASCAT 2025		2025 (*Proofread submitted)	978-3-031-94121-4	USICT	

			Cellular Automaton Approach						
32	Prof. Rinkaj Goyal	Lecture Notes in Networks and Systems	How Similar are Programming Solutions Generated by LLM-Based Generative AI Tools: A Semantic Clone Detection Approach	Proceedings of AITA 2024		2025 (*Proofread submitted)	978-981-96-1918-4	USICT	
33	Prof. Rameshwar Lal Ujjwal		System for Smart IoT Network	Adaptive Intelligence: Select Proceedings of InCITe 2024, Volume 1		Feb-25	1876-1100	USICT	
34	Dr. Anuradha Chug		Optimising SVM with Improved Grey Wolf to detect Code Smell Severity	3rd INTERNATIONAL CONFERENCE ON NETWORKS AND CRYPTOLOGY (Net Crypt 2025)		2005		USICT	
35	Dr. Anuradha Chug		Sugarcane Disease Classification: Fine-Tuning Deep Learning Models Through Transfer Learning	"2024 International Conference on Artificial Intelligence and Emerging Technology (Global AI Summit)		2005		USICT	

36	Dr. Anuradha Chug		Transfer Learning for Leaf Disease Image Classification via CNN Model	International Conference on Artificial Intelligence and Speech Technology		2025	978-3-031-91340-2	USICT	
37	Dr. Anuradha Chug		Multi-Disease Identification in Single Citrus Leaf Image Using Sigmoid Activation and Optimised Threshold	2024 11th International Conference on Signal Processing and Integrated Networks (SPIN)		2024	979-8-3503-0843-3	USICT	
38	Dr. Anuradha Chug		Classification of Tomato Crop Diseases by Utilizing Convolutional Neural Network	2024 11th International Conference on Computing for Sustainable Global Development (INDIACom)		2024	978-93-80544-51-9	USICT	
39	Dr. Anuradha Chug		Leveraging Feature Extraction and Machine Learning for Effective Plant Disease Classification	2024 3rd Edition of IEEE Delhi Section Flagship Conference (DELCON)		2024	979-8-3315-1859-2	USICT	
40	Dr. Kamaldeep Kaur	Algorithm of Intelligent System (AIS)	Automatic Deep Learning Frameworks Fault Report collection system with	3rd International Conference on Artificial Intelligence and Applications (ICAIA 2025)		2025	2524-7573	USICT	

			Text Preprocessing						
41	Mansi Jhamb	Artificial Intelligence: Theory and Applications	Aruco Marker-Based Pick and Place Approach Using a UR5 Robotic Arm and Vacuum Gripper	Artificial Intelligence: Theory and Applications: Proceedings of AITA 2023, Volume 1; Lecture Notes in Networks and Systems, vol. 843	International Conference on Artificial Intelligence: Theory and Applications (AITA 2023)	2024	978-981-99-8476-3	Yes	Springer, Singapore
42	Mansi Jhamb	Proceedings of 4th International Conference on ICT for Digital, Smart, and Sustainable Development	Experimental Perspectives of Post and Pre-quantum Cryptographic Algorithms/Computations for Secured Electronic Health Care Record (EHR) in Sustainable Cyber Physical Systems for IoT	Proceedings of 4th International Conference on ICT for Digital, Smart, and Sustainable Development; Innovations in Sustainable Technologies and Computing	4th International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD 2024)	2024	978-981-97-7831-7	Yes	Springer, Singapore

43	Mansi Jhamb	Not applicable (conference paper)	Design of Arithmetic Logic Unit Using Energy Charge Recovery Adiabatic Logic Technique	2024 First International Conference on Electronics, Communication and Signal Processing (ICECSP)	2024 First International Conference on Electronics, Communication and Signal Processing (ICECSP)	2024	979-8-3503-6459-0	To confirm	IEEE
44	Dr. Priyanka Bhutani		Systematic Review and Analysis of Software Bug Prediction and Maintainability		International Conference on Data Mining and Information Security (ICDMIS 2024)	2024		USICT	
45	Dr. Priyanka Bhutani		empirical		International Conference on Artificial Intelligence and Networking (ICAIN-2024)	2024		USICT	
46	Dr. Jaspreeti Singh		Handling incomplete data using Radial basis Kernelized Intuitionistic Fuzzy C-Means	Procedia Computer Science 235 (2024) 2518–2528		2024	1877-0509	USICT	

47.	Dr. Jaspreeti Singh		Whale Optimization based Synthetic Minority Oversampling Technique for Binary Imbalanced Datasets	Procedia Computer Science 233 (2024) 66–76	5th International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2024)	2024	1877-0509	USICT	
48	Dr. Ruchi Sehrawat		Revolutionizing Forensic Odontology with Artificial Intelligence: A Systematic Review		2nd International Conference on Computational Intelligence, Communication Technology and Networking (CICTN)	2025	979-8-3315-3039-6	USICT	
49	Dr. Ruchi Sehrawat		Sustainable Image-based Encryption Using Cryptography and Steganography with Autoencoder		Innovations in Sustainable Technologies and Computing	2024	978-981-97-7831-7	USICT	
50.	Dr. Ruchi Sehrawat		An Empirical Study of Artificial Intelligence Applications in Data Security		International Conference on Algorithms for intelligent systems	2025	978-981-97-8074-7	USICT	
51.	Dr. Ruchi Sehrawat		Strengthening Security of Digital Information Through		International Conference on Algorithms for intelligent systems	2025	978-981-97-8074-7	USICT	

			Physiological Keys and Triple Layer Encryption						
52.	Dr. Manoj Kumar Satyarthi	Advances in Mechatronics Systems: Principles, Elements and Applications	Integration of convolutional Neural Networks for Autonomous Guidance in Automated Guided Vehicles	NA	NA	2024	978-981-97-8472-1	USICT	
53	Dr. Manoj Kumar Satyarthi	Industry 4.0 Driven Manufacturing Technologies	Robotic arm 3D printing: technological advancements and applications	NA	NA	2024	978-3-031-68271-1	USICT	
54.	Dr. Manoj Kumar Satyarthi	NA	Robotic manipulator, assisted fused filament fabrication process	AIP conference proceedings	AIP Conference	2024	1551-7616	USICT	
55	Dr. Manoj Kumar Satyarthi	Industry 4.0 Driven Manufacturing Technologies	Digital twin integration for enhanced control in FDM 3D printing	NA	NA	2024	978-3-031-68271-1	USICT	
56	Dr. Manoj Kumar Satyarthi	Industry 4.0 Driven Manufacturing Technologies	Progressive automation: mapping the horizon of smart manufac	NA	NA	2024	978-3-031-68271-1	USICT	

			turing with RoboDK workstations and industry 4.0						
57	Dr. Manoj Kumar Satyarthi	NA	Real-Time Defect Detection in 3D Printing and Analysis in Additive Manufacturing Using Machine Learning	2024 International Conference on Artificial Intelligence and Emerging Technology (Global AI Summit)	2024 International Conference on Artificial Intelligence and Emerging Technology (Global AI Summit)	2024	979-8-3503-7971-6	USICT	