

Publications

Journal Papers Details (Session 2024-25)

S.No	Faculty Name/ Corresponding Author	Title	Name of Journal	Indexing
1	Dr Krishna Kant Singh	FFDL: Feature Fusion-Based Deep Learning Method Utilizing Federated Learning for Forged Face Detection	IEEE Access	SCI
2	Dr Krishna Kant Singh	Federated Learning With Dataset Splitting and Weighted Mean Using Particle Swarm Optimization	IEEE Access	SCI
3	Dr Krishna Kant Singh	An Improved Deep Learning-Based Intrusion Detection for Reliable Communication in VANET	IEEE Transactions on Consumer Electronics	SCI
4	Dr Krishna Kant Singh	Precise detection of diabetic retinopathy using adaptive remora optimization algorithm with deep adversarial approach	Multimedia Tools and Applications	SCI
5	Dr Seema Verma and Dr Madhumita Mahapatra	Advancements in Healthcare Medical Imaging through SHO optimized CNN	Procedia Computer Science	Scopus
6	Madhumita Mahapatra	A fast-flying particle swarm optimization for resolving constrained optimization and feature selection problems	Cluster Computing	SCI

7	Dr Madhumita Mahapatra	Exploring Homeostasis Restoration as a Potential Therapeutic Avenue for Addressing Obesity and Sleep Disorders	BASIC SCIENCE AND PATHOGENESIS: Alzheimer's & Dementia	WOS
8	Dr Yashu Shanker	Iot in Electric Vehicles	International Journal of All Research Education and Scientific Methods (IJARESM),	other
9	Dr Madhumita Mahapatra	Innovative Carpooling App for Sustainable Urban Mobility	DTC Journal of Computational Intelligence	other
10	Dr Yashu Shanker	Enhancing IoT-Based Remote Patient Monitoring for Comprehensive Healthcare Solutions	DTC Journal of Computational Intelligence	other
11	Ms Pridhi	Revolutionizing Patient Management Systems: Harnessing Real-time Availability, AI-driven Tools, and Seamless Integration in Healthcare	DTC Journal of Computational Intelligence	other
12	Ms Anupam	Designing a Decentralized Crowdfunding Platform: Leveraging Blockchain Technology	DTC Journal of Computational Intelligence	other
13	Mr Rishabh Sharma	AR Enhanced e-learning platform	DTC Journal of Computational Intelligence	other
14	Deepika Khurana	MERN Stack Comparison with previous technologies	DTC Journal of Computational Intelligence	other

15	Rachana Sharma	Design and Develop an Intelligent Job Portal Chatbot Leveraging Machine Learning for Personalized Career Assistance	DTC Journal of Computational Intelligence	other
16	Dr Padmesh	Scalable Fake News Detection: Implementing NLP and Embedding Models for Large-Scale Data	Communications on Applied Nonlinear Analysis	other
Book Details (Session 2024-25)				
S. No.	Name of the teacher	Title of the book	ISBN no	Name of the publisher
1	Dr Krishna Kant Singh	Responsible and Explainable Artificial Intelligence in Healthcare Ethics and Transparency at the Intersection	978-0-443-24788-0	Elsevier
2	Dr Krishna Kant Singh	Multimodal Generative AI	978-981-96-2355-6	Springer
3	Dr Krishna Kant Singh	Convergence of Blockchain and Explainable Artificial Intelligence	9788770046305	River
4	Dr Padmesh Tripathi	Mathematical Models Using Artificial Intelligence for Surveillance Systems	Print ISBN:9781394200580 Online ISBN: 9781394200733	Wiley-Scriver, USA
5	Dr Upasna Joshi	5G and Future Networks	978-93-48116-73-4	Xoffencer International publication
Book Chapter Details (Session 2024-25)				

S. No	Name of the Teachers	Title of the Chapters	Name of the publisher	Indexing
1	Dr Krishna Kant Singh	Responsible and explainable artificial intelligence in healthcare: Conclusion and future directions	Elsevier	Scopus
2	Dr Krishna Kant Singh	Ensuring fairness and mitigating bias in healthcare AI systems	Elsevier	Scopus
3	Dr Krishna Kant Singh	Designing transparent and accountable AI systems for healthcare	Elsevier	Scopus
4	Dr Krishna Kant Singh	Legal and regulatory issues related to AI in healthcare	Elsevier	Scopus
5	Dr Krishna Kant Singh	Exploring Multi-modal Hate Speech Detection Using Machine Learning and Deep Learning Models	Springer	Scopus
6	Dr Krishna Kant Singh	Large Language Model on Multi-Modal Data	Springer	Scopus
7	Dr Krishna Kant Singh	Text-to-Image Synthesis: Techniques and Applications	Springer	Scopus
8	Dr Krishna Kant Singh	Image-to-Text Generation: Bridging Visual and Linguistic Worlds	Springer	Scopus
9	Dr Krishna Kant Singh	Future Directions in Multimodal Generative AI	Springer	Scopus
10	Dr Krishna Kant Singh	Addressing the Emerging Healthcare Environment: Risk Assessment for Healthcare 5.0	Springer	Scopus
11	Dr Krishna Kant Singh	Blockchain-based frameworks for Explainable AI	River	Scopus
12	Dr Krishna Kant Singh	BlockXAI: Challenges and Future	River	Scopus
13	Dr Padmesh Tripathi	Artificial Intelligence and Image Enhancement based methodologies used for detection of Tumor in MRIs of human brain.	Elsevier/Academic Press	Scopus

14	Dr Padmesh Tripathi	Study of Traditional, Artificial Intelligence and Machine Learning Based Approaches for Moving Object Detection	Wiley- Scrivener, USA	Scopus
15	Dr Padmesh Tripathi	Study on Object Detection Using Artificial Intelligence and Image Processing-Based Methods.	Wiley- Scrivener, USA	Scopus
16	Dr Padmesh Tripathi	Advanced Techniques Visualization for Soft Computing Results	CRC press	Scopus
17	Dr Padmesh Tripathi	Swarm Customer Intelligence Segmentation in Custmoer segmentation	CRC press	Scopus
18	Mr Aniket Singh	Exploring Quantum Challenges and Opportunities of Quantum Machine Learning Adoption in Finance	IGI Global;	Scopus

Conference Details (Session 2024-25)

S. No.	Name of the Teacher	Title of the paper	Title of the proceedings of the conference	Indexing
1	Dr Krishna Kant Singh	E-CNN: ensembled CNN learning approach for pneumonia detection in chest X-ray images	IEEE	Scopus
2	Dr Krishna Kant Singh	TU-Net: Transformer based U-Net for left ventricle MRI segmentation		Scopus
3	Dr Krishna Kant Singh	Trans-CAMNet: A Transformer-Based Grad-CAM Network for Lung Disease Classification		Scopus
4	Dr Piyush Yadav, Dr Seema Verma, Dr Madhumita Mahapatra	Harmonizing Deep Learning and Ensemble Techniquesfor Network Traffic Anomaly Detection	IEEE	Scopus
5	Dr Seema Verma, Dr Madhumita Mahapatra	GANs for Synthetic Environmental Data Generation (Air Quality) for Low-Resource Regions	IEEE	Scopus
6	Dr. Ankit Gambhir	Analysing Crop Health Using AI and UAV Technology	ICTACS- 2024	Scopus
7	Gagandeep Bhatia	Empowering sentiment analysis		Scopus

8	Gunjan Sethi, Ms Deepika Khurana	Design process and development of automation for smart buildings	IEEE	Scopus
9	Dr Madhumita Mahapatra	Identification of Parkinson Disease Using Machine Learning Techniques	Springer	Scopus
10	Dr Madhumita Mahapatra, Ms Preeti Pandey	MindMedix: An AI-Powered Platform for Neurological Diagnosis and Personalized Treatment	IEEE	Scopus
11	Dr Seema Verma	A Comparative Analysis of Deep Neural Network Models for Deepfake Image Detection Generated using AI	IEEE	Scopus
12	Dr Seema Verma	Enhancing Healthcare Accessibility: A RAG-Based Medical Chatbot Using Transformer Models	IEEE	Scopus
13	Dr. Upasna Joshi	Ultrasound-Guided Deep Learning for Regional Nerve Block Anesthesia in Scapular Fracture	IEEE	Scopus
14	Dr Padmesh Tripathi	Augmented Reality-Powered Footwear Customization Hub: Enhancing the Shopping Journey	IEEE	Scopus
15	Dr Padmesh Tripathi	Enhancing Code Modularity and Game Mechanics in Modern Game Development	IEEE	Scopus
16	Dr Madhumita Mahapatra	Innovative Carpooling App for Sustainable Urban Mobility	DTC Journal of Computational Intelligence	other
17	Dr Yashu Shanker	Advanced Camera based Headcount system	DTC Journal of Computational Intelligence	other
18	Ms Anupam	Designing a Decentralized Crowdfunding Platform: Leveraging Blockchain Technology	DTC Journal of Computational Intelligence	other
19	Ms Pridhi	Admission Chatbot	DTC Journal of Computational Intelligence	other
20	Upendra Pratap Pandey	ProctorVision - Exam Proctoring	DTC Journal of Computational Intelligence	other
21	Upendra Pratap Pandey	Stable Diffusion Model using Generative AI	DTC Journal of Computational Intelligence	other
22	Dr Madhumita Mahapatra	Designing and Evaluating a Real-Time Heatmap Based Web Analytics Tool	DTC Journal of Computational Intelligence	other
23	Mr Rishabh Sharma	AR Enhanced e-learning platform	DTC Journal of Computational Intelligence	other

24	Ms Pridhi	Revolutionizing Patient Management Systems: Harnessing Real-time Availability, AI-driven Tools, and Seamless Integration in Healthcare	DTC Journal of Computational Intelligence	other
25	Mr Rishabh Sharma	Designing a user centric solution for enhanced operational efficiency and community well-being	DTC Journal of Computational Intelligence	other
26	Rachana Sharma	Design and Develop an Intelligent Job Portal Chatbot Leveraging Machine Learning for Personalized Career Assistance	DTC Journal of Computational Intelligence	other
27	Aniket Sigh	Design and Develop an Intelligent Health Monitoring System for Personalized Patient Care	DTC Journal of Computational Intelligence	other
28	Deepika Khurana	MERN Stack Comparison with previous technologies	DTC Journal of Computational Intelligence	other
29	Ms Preeti Pandey	Real-Time Sign Language Detection and Translation	DTC Journal of Computational Intelligence	other
30	Ms Eirty Telang	Design and Develop an Efficient Porter Booking System for Streamlined Service Management	DTC Journal of Computational Intelligence	other
31	Ms Gunjan Sethi	Developing an Innovative Chat Application with Integrated Real-Time Language Translation	DTC Journal of Computational Intelligence	other
32	Dr Madhumita Mahapatra	HR Analytics: Unveiling Insights with SQL AND Interactive Dashboards	PRISM	
33	Dr Seema Verma	Design of Email Assistant using OpenAI		
34	Dr Seema Verma, Dr Madhumita Mahapatra	Improving Credit Card Theft Identification Through Comparative Evaluation of Machine Learning Techniques	Metasoft 24	Scopus
35	Gunjan Sethi	Utilizing BlockChain for Secure and Trasparent Voting System	Springer CCIS Proceeding	Scopus
36	Gunjan Sethi	Unmasking Deep fakes:Generation & Detection	AIP Series	Scopus
37	Gunjan Sethi	Harnessing the Power of Deep Learning for the Prediction and Early Detection of Dyslexia using Handwriting	IEEE	Scopus

38	Dr Upasna Joshi	An Intelligent Deep Learning-Based System for Multispectral Image Fusion and Skin Cancer		Scopus
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