Fourth International Conference on
Innovations in Computational Intelligence and Computer Vision

ICICV-2024

April 10-11, 2024

PAPER PRESENTATION SCHEDULE

Session 1 (Offline/ In-person) | 10-04-2024 (15:45 – 17:15) | Venue: Room No. 104, AB-2

Paper ID	Title & Authors
64	**Design and Development of Autonomous Driving Car Using Nvidia Jetson Nano Developer Kit** Rajesh Eswarawaka, Shaista Firdose, Neha S, Nitin Sai SG, and Akash Pandey
75	**AD-SPEND ANALYTICS** Darshan Bafna, Tushar Jumla, Varun Siddharth Rajesh, Vaibhav Vijay, Sujatha R Upadhyaya
153	**REED-NET: Residual Enhanced Encoder Decoder Network for low dose CT Reconstruction** Phalit Jotwani, Ritu Gothwal, and Shailendra Tiwari
162	**Machine Learning Models Based Stuttering Classification** Ashita Batra, Rishabh Shah, Pradip K. Das
485	**Use of Euclidean Distance to Improve Fingerprint Matching Accuracy** Neeraj Bhargava, Rajendra Yadav, Usha Choudhary

Session Chairs: Dr. Jai Prakash Verma (Nirma University, Ahmedabad),
Prof. Ramesh Chandra Poonia (CHRIST (Deemed to be University), Delhi-NCR Campus)
Session Moderators: *Dr. Ganpat Singh Chauhan (9829576701), Dr. Shalini Puri (7023069773)*

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Session 2 (Offline/ In-person) | 10-04-(15:45 – 17:15) | Venue: Room No. 108, AB-2

Paper ID	Title & Authors
69	**D-ALPR: Drone-based Automatic License Plate Recognition within Restricted Parking Environment** Hardik Maisuria, Kalp Mepani, Manil Shah, Jaiprakash Verma, Zunnun Narmawala
170	**An Efficient Real-Time Word-Level Recognition of Indian Sign Language** Chaitanya Madhav R, Prasad Shet, Mohan Murali KS, Likhith R and Mamatha HR
260	**Person Re-identification and Tracking with multiple non-overlapping cameras** Akash Vijayakumar Angadi, Anurag N Koppal, Preet Kanwal
261	**Synergizing Video Data Optimization: Interpolation, Algorithmic Precision, and Model-Driven Efficiency** Anurag N Koppal, Akash Vijayakumar Angadi, Preet Kanwal
272	**From Remittances to Revolution: Blockchain's Potential to Transform Social Interactions and Financial Inclusion in Bangladesh** K. M. Tahsin Kabir, Mian Mohammad Rassel, Md. Moynul Islam, Md. Mortuza Ahmmed, Shalini Puri, Md. Ashraful Babu

Session Chairs: Dr. Vijay Kumar Chahar (NIT, Jalandhar), Dr. Prakash Chaudhary (Central University of Rajasthan)
Session Moderators: Dr. Vaishali Yadav (8386069007), Dr. Pramod Singh Rathore (9982377970)

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Session 3 (Offline/ In-person) | 10-04-2024 (15:45 – 17:15) | Venue: Room No. 132, AB-2

Paper ID	Title & Authors
276	**Classification of Rice Leaf Diseases Using Deep Residual Graph Neural Networks** Mejbah Ahammad, Md. Ashraful Babu, Vaibhav Bhatnagar
281	**Deep learning-based Alzheimer's classification using Optimized VGG16** Raghav Sharma, Rohit Pandey
292	**Evaluation of Throughput and BLER in the 5G Communication System having AWGN channel** Jayanta Kumar Ray, Soumen Khatua, Fariha Tabassum, Ramsundar Ghorai, Quazi Mohmmad Alfred, Safiul Alam Mondal[5], Malay Pit, Rabindranath Bera and Bikash Sharma
294	**Assessment of Usability and Perceived Presence in Virtual Environments for Visual Function Testing** Vishwas G Kini, P C Siddalingaswamy, Shonraj B G, Krithica Srinivasan, Venkatasubbu Ramesh and Srikrishna S Nayak
316	**3D UNet3+: An Optimized Approach for 3D Brain Tumor Segmentation** Aadesh Bafna, Rutuja D Chikkorde, Neha Chandavari, Trupti Venkatesh, Anupama P Bidargaddi, and Meena S M
440	**Investigating the Reliability of Vehicle-to-Vehicle and Vehicle-to-Infrastructure Communication** Ashish Kumari, Shailender Kumar, Ram Shringar Raw

Session Chairs: Dr. Nitesh Pradhan (LNMIIT, Jaipur), Dr. Santosh Kumar Vishwakarma (MUJ)
Session Moderators: Dr. Sakshi Shringi (9649832226), Dr. Preeti Narooka (9022297778)

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Session 4 (Offline/ In-person) | 10-04-2024 (15:45 – 17:15) | Venue: Room No. 214, AB-2

Paper ID	Title & Authors
347	**Leveraging Generative AI to Enhance CIFAR-100 Classification** Tejas Nadagadalli, Aditi Khyadad, Anupama Bidaragaddi, Samriddhi Gurunath S., Siddharth Bidari
359	**Analysis of Covid Vaccines Based on Different Machine Learning Algorithm** Riti Kushwaha, Sonal Kukreja, Sneha Gupta, and Kshitij Gupta
368	**Usability Evaluation of Intuitive Interactions in Virtual Environments** Vishwas G Kini and N Gopalakrishna Kini
444	**AdvSleepNet: Accelerometer Based Sleep Stage Detection** Anirudh G Savanur, Abdul Malik Khan, Pranamya Biradar, Ramesh Ashok Tabib, Ujwala Patil, and Uma Mudengudi
492	**Comparative Evaluation of Deep Learning Models for Image Captioning of Satellite Images** Aishwary Shree, Rohit Sharma, Jai Gopal Singla, Vijaypal Singh Dhaka, Sourabh Singh Verma

Session Chairs: Dr. Saurabh Bilgaiyan (KIIT University, Bhubaneswar), Dr. Anju Pratap (Saintgits College of Engg, Kerala)
Session Moderators: Dr. Sudhir Sharma (7017891651), Dr. Sourabh Singh Verma (9829295079)

Session 5 (Online/ Virtual) | 10-04-2024 (15:45 – 17:15) | Venue: Online (MS Teams)

Paper ID	Title & Authors
29	**Performance Analysis of 3D-QAM Modulation in Rayleigh Fading Channels** Pawan Kumar Sharma, Prof. Rupaban Subadar
55	**Boosting Security: An Effective Approach to Intrusion Detection in Wireless Sensor Networks with AdaBoost Classifiers** Divya Bhavani Mohan and Prakash Arumugam
71	**XLTransGAN: A Fusion of XLNet and GANs in Generative Models for Text to Image Synthesis** N. Sandhya, Markapuram Krishna Priya, Rishika Nayakoti, Nukarapu Sreeja, Srikar Kovvuri
96	**Delving into Linguistic Nuances: Exploring Humor in Tulu VS Analysing Humor, Sarcasm, and Irony in Kannada** Thanmayi S Hegde, Vindhya V, Madhulika V, Thanmayee BS, Mamatha HR
100	**Deep Learning-Based Automatic Segmentation of Spinal Magnetic Resonance Images** Shaeba Khan, Laxmi Shrivastava, Sarita Singh Bhadauria
113	**Path-Connected Deep Learning for Robust Image Segmentation** Tejas Goyal, Aakash Chortani, Krishna Chandan, and Abhay Paroha
155	**Intelligent Real-Time Driver Alert System: Preventing Accidents through Drowsiness Detection** Ashish Tripathi, Rohit Kumar Gupta, Ayush Ankur, Nitin Sondhi
226	**Unveiling Diagnostic Clarity: A Machine Learning Approach to Distinguish Borderline Personality Disorder and Bipolar Disorder for Enhanced Mental Health Diagnostics** Tanisha Verma, Saurabh Bilgaiyan, Apurv Aryan, and Mahendra Kumar Gourisaria

Session Chairs: Dr. Bosco Paul Alapatt (CHRIST (Deemed to be University), Delhi-NCR Campus), Prof. Sunil Kumar (MUJ)
Session Moderators: Ms. Smaranika Mohapatra (8387057697), Mr. Pradeep Kumar (09462653540)

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Session 6 (Online/ Virtual) | 10-04-2024 (15:45 – 17:15) | Venue: Online (MS Teams)

Paper ID	Title & Authors
174	**Innovating Drug Design for Alzheimer's Disease via Reinforcement Learning for Enhanced Molecular Generation** Nishank Satish, Manikanta Bukapindi, Shreyas K, Guru Akhil, Vindhya P Malagi
187	**Road Anomaly Detection Utilizing Swin Transformer and Deep Convolutional Neural Networks with YOLOV8** Sri Sashank Potluru, Ramesh Mande, Rizwan
201	**An Efficient Real-time Recognition of Static Kannada Sign Language** Mohan Murali K S, Prasad Shet, Chaitanya Madhav R, Likhith R, Mamatha H R
216	**Emotion Detection through Advanced Audio Feature Analysis Using Deep Learning Techniques** Manogna P, G. Baghavatipriya, R. Prasanna Kumar, and Tamil Selvi Madeswaran
233	**Deep Learning-based Multimodal Sensing Framework for Anti-Spoofing Systems** Henry O. Velesaca, Jorge Vulgarin, Boris X. Vintimilla, Coen Antens, and Alberto Rubio Perez
243	**Phish Guard: Machine Learning Model for Realtime URL Detection** G.N.V.R. Jayadev, N. Neelima, M. Teja, J. Vamsi Krishna
268	**A Deep Learning Framework on Embedded ADAS Platform for Pedestrian detection** Abhishek V.S, Sahana B.S, Aarya K.H, Gireesha H.M, P. C. Nissimagoudar, and Nalini. C. Iyer
495	**Subject-Verb Agreement Error Handling using RNN Architectures** Prakhar Gautam, Jitendra Singh Thakur and Ashish Mishra

Session Chairs: Dr. Gaurav Agarwal (Amity University, Tashkent, Uzbekistan), Prof. Manoj Kumar Bohra (MUJ)

Session Moderators: Dr. Shweta Sharma (8239163927), Dr. Vijay Prakash Sharma (9001869335)

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Session 7 (Online/ Virtual) | 10-04-2024 (15:45 – 17:15) | Venue: Online (MS Teams)

Paper ID	Title & Authors
298	**Enhancing Early Diagnosis of Autism Spectrum Disorder in Children: A Comparative Analysis of Machine Learning Techniques** Ashish Tripathi, Rohit Kumar Gupta, Muskan Sharma
318	**Analysing Association between Socioeconomic Status and Academic Performance of School Students** Kapila Devi and Saroj Ratnoo
319	**Fabric Defects Detection using YOLOv8** Bhavesh Kapil[1] and Kamlesh Dutta
325	**Exploring Shopping Opportunities and Elevating Customer Experiences Through AI-Powered E-Commerce Strategies** Nitu Maurya, Jagendra Singh, Navneet Pratap Singh, Anusha Chaudhary, Sambhajiraje Patil, Mohit Tiwari
346	**An Efficient English-to-Hindi Speech Translation System Using Bi-LSTM** Shivan Singh, Rajat Singh Jakhar, Anupama P. Bidargaddi, Ankit Kumar and Shubam Patil
365	**SQL Query Recommendation Based on Matrix Factorization** Sri Harshitha Anantatmula, Rohith Krishnan, Sandhya Harikumar
443	**Estimation of Body Mass Index from Facial Image using Modified ResNet and Ridge Regression** Keerthi Aluvala, SKM Aqeel, Shaik Afridi Akhleem, Sruthi Aluvala
466	**Improved Object-Based Style Transfer with Single Deep Network** Harshmohan Kulkarni, Om Khare, Ninad Barve, and Sunil Mane

Session Chairs: Dr. Rajdeep Chatterjee (KIIT University, Bhubaneswar), Dr. Neha Chaudhary (MUJ)

Session Moderators: Dr. Abhay Sharma (9887742809), **Ms. Surbhi Sharma (9462527657)**

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Session 8 (Offline/ In-person) | 11-04-2024 (11:30 – 13:00) | Venue: Room No. 104, AB-2

Paper ID	Title & Authors
28	**Comparative Analysis of Large Language Models** Sarish Inamdar, Himanshu Shedge, Shrey Shah, Mandar Shinde, Pranjali Joshi and Tushar Sugandhi
103	**Characterization of Background Surface Noise for Metrological Applications** Arjun K Ashok, Jeevan Prasad, Sabareesh S Bhaskar, and Ganesh Sundaram
159	**IoT Based Vehicle Class Detection for Smart Traffic Control** Ayam Bhura, Piyush Sahoo, Anupam Kumar, and Usha Chaudhary
263	**Safe Birth Predictors: A Machine Learning Study in the Context of Bangladesh** Md. Mortuza Ahmmed, K.M. Tahsin Kabir, Mst. Nadiya Noor, Md. Ashraful Babu, Vaibhav Bhatnagar
278	**From Detection to Disruption: Leveraging NLP Insights to Proactively Combat Cybercrime in Bangladesh** Ibrar Amin, Ekramul Haque, Mst Nadiya Noor, Md. Mortuza Ahmmed, Shalini Puri, and Md Ashraful Babu
432	**Deep Learning Driven Palmprint Recognition Using Smartphone-Based Video Dataset** Hirva Patel, Sanjay Kumar, Ayushi Mathur, Santosh Satapathy, Ritesh Vyas
433	**RetenSure: Ensemble Learning for Managing Employee Attrition** Om Rajashekhar Vastrad, Shree Raksha B M, Omkar Tanaji Chougale, Ramesh Ashok Tabib, Ujwala Patil, and Uma Mudenagudi

Session Chairs: Dr. Rishi Pal (Guru Jambheshwar University of Science and Technology, Hisar),
Dr. Gaurav Singal, Dr. Vipin Pal (Netaji Subhas University of Technology, New Delhi)
Session Moderators: Mr. Rajesh Kumar (9813327133), Mr. Krishna Kumar (9413163538)

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Session 9 (Online/ Virtual) | 11-04-2024 (11:30 – 13:00) | Venue: Online (MS Teams)

Paper ID	Title & Authors
67	**Chat2Fluency: Enhancing Language Learning Through Conversational AI** Darshan N A, Amruth S, Aditya Ashok Shetty, Srujan Kumar T N, and Uma D
81	**Application of XAI in integrating Democratic and Servant Leadership to enhance the Performance of Manufacturing Industries in Ethiopia** Bayissa Badada, G Delina, Ramaswamy Krishnaraj and Michael Moses Thiruthuvanathan
84	**A Narrative Synthesis on the Role of Affective Computing in Fostering Workplace Wellbeing Using a Deep Learning Model** G Delina, Bayissa Badada, Ramaswamy Krishnaraj, Michael Moses Thiruthuvanathan, R Magesh Kumar
115	**Image Forensics - Analysis of Manipulated Images** Aryan Mamidwar, Atharva Mugalikar, Vivek Ghuge, Divija Godse
173	**Computer Vision based Air Marshal Hand Signal Recognition for Air Mobility** Suraj Dhalwar, Gautham Dasu, Ashwin Ganapathy, Rajesh Chivukula
183	**A Novel ConvNet Architecture for Recognizing Offline Handwritten Gujarati Conjuncts** Megha N. Parikh and Apurva A. Desai

Session Chairs: Dr. Jyoti Grover (MNIT, Jaipur), Prof. Umashankar Rawat (MUJ)
Session Moderators: Dr. Sandeep Kumar Sharma (9828528311), Dr. Kusumlata Jain (9828133885)

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Session 10 (Online/ Virtual) | 11-04-2024 (11:30 – 13:00) | Venue: Online (MS Teams)

Paper ID	Title & Authors
192	**A Deep Learning-Based Technique for Evaluation of Estimation in Software Development** B Kiran Kumar, M Rekha Sundari, A Surekha
229	**Ontology-Enhanced Disease Detection and Crop Yield Prediction in Agriculture using ViT** Dr.Remya S, Yasaswini Bonthu, Medhovarsh Bayyapureddi
239	**DLSTM with Adam Waterwheel Optimization for Groundwater Level Prediction in India** Saurabh A. Shah, Dinesh G. Harkut, Sayali M. Thakre
240	**Indian Stock Market Forecasting Using Machine Learning Approach** Puspalata Mahapatra, Bhagirathi Nayak, Sushanta Tripathy
250	**BEVFlow: Streamlined Excellence in Instance Prediction from a Bird's-Eye View** Aarya K.H, P. C. Nissimagoudar, Gireesha H.M, and Nalini. C. Iyer
262	**Improved Grasshopper Optimization with SqueezeNet (IGO-SNET) Classifier for Banana Leaf Diseases** Mrs. G. Rubadevi, Research Scholar, Dr. R. Divya

Session Chairs: Dr. Mahendra Gourisaria (KIIT (Deemed to be University), Prof. Dinesh Kumar Saini (MUJ)
Session Moderators: Mr. Mayank Kumar Jain (7987152575), Dr. Hemlata Goyal (9351302652)

Session 11 (Online/ Virtual) | 11-04-2024/ (11:30 – 13:00) | Venue: Online (MS Teams)

Paper ID	Title & Authors
269	**A Secure Storage of Watermarked Images and Encrypted Data in a Blockchain Based Healthcare Platform** Borish Kshetrimayum, Kausthav Pratim Kalita, Chelsea Dambe R Sangma, and Heman Budathoki
287	**Cross-Spectral Image Registration: a Comparative Study and a New Benchmark Dataset** Rafael E. Rivadeneira, Henry O. Velesaca, and Angel Sappa
288	**Haze-Free Imaging through Haze-Aware Transformer Adaptations** Patricia L. Suárez and Angel Sappa
392	**Domain Adaptation Techniques for NER using mBERT** Ishaan Kalia, Pardeep Singh, Anil Kumar
437	**Detecting Distracted and Drowsy Driving with Deep Learning Techniques and Facial Landmarks** Jai Ramani and Prashasti Kanikar
454	**Knowledge Incorporated Image Question Answering using Wikidata Repository** Dipali Koshti, Ashutosh Gupta, Alok Kumar, and Arvind Sharma

Session Chairs: Prof. Sandeep Chaurasia (MUJ), Dr. Vijander Singh (Norwegian Univ. of Science and Technology, Norway)
Session Moderators: *Dr. Usha Chaudhary (8890670250)*, Dr. Sourav Kumar Das (8890951739)

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Session 12 (Online/ Virtual) | 11-04-2024 (11:30 – 13:00) | Venue: Online (MS Teams)

Paper ID	Title & Authors
9	**Reliability and Availability Investigation of Micro-Processor Systems using Markovian Approach** Ashish Kumar, Vijay Singh Maan, Monika Saini
486	**Predictive Model for Estimating 5-Year Survivability of Osteosarcoma Patients Using Ensemble Learning** Amit Pandey, Praneet Saurabh and Gireesh Kumar
488	**Handling Uncertainty in Parkinson's Disease Voice Data using Intuitionistic Fuzzy Entropy Measure** Bhupendra Verma and Kiran Pandey
490	**A Comprehensive Survey of Data Cleaning Techniques: Challenges, Methods and Future Directions** Aarti Purohit, Kuldeep K Yogi
491	**Comparative Analysis of Multipath Transport Layer Protocols** Lal Pratap Verma, Ghanshyam Raghuwanshi, Neelesh Mishra, Indradeep Verma
493	**Visualizing insights to empower HR decision-making: A Data-driven Approach** Soumi Majumder

Session Chairs: Dr. Shakti Kundu (BML Munjal University, Gurugram), Dr. Ghanshyam Raghuwanshi (MUJ)
Session Moderators: Dr. Aparna Tripathi (9415736072), Dr. Shally Vats (7737601844)

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Session 13 (Online/ Virtual) | 11-04-2024 (15:45 – 17:00) | Venue: Online (MS Teams)

Paper ID	Title & Authors
463	**Essentials of Precision Agriculture: Navigating the Landscape of Modern Farming Practices** Oscar Tamburis, Adriano Tramontano, Giulio Perillo, and Mario Magliulo
470	**Predictive analysis for early detection of breast cancer through Artificial Intelligence algorithms** Marco Gagliardi, Tommaso Ruga, Eugenio Vocaturo, Ester Zumpano
471	**Unveiling The Role of Large Language Models in Healthcare** Tommaso Ruga
472	**Dataset Balancing Techniques and Supervised Learning Algorithms for Predictive Analysis of Rice and Corn Yields** Lorenzo Di Mauro, Eugenio Vocaturo, Ester Zumpano
475	**Fish blood cell as biological dosimeter: in between measurements, radiomics, pre-processing and artificial intelligence** Francesco Felicetti, Domenico Luca Carnì and Francesco Lamonaca

Session Chairs: Ester Zumpano (University of Calabria (DIMES), Italy), Eugenio Vocaturo (University of Calabria (DIMES), Italy), Geeta Rani (MUJ)
Session Moderators: Dr. Neha Janu (9414438907), Dr. Pooja Gupta (9780408274)