

8th International Conference on Computer Vision & Image Processing (CVIP 2023)

CVIP 2023 Schedule: November 03 - 05, 2023, IIT Jammu Indian Standard Time [GMT + 5.5 Hours]

Time and Date	November 03, 2023 (Friday)	November 04, 2023 (Saturday)	November 05, 2023 (Sunday)
8:30 AM to 9:45 AM	Onsite Registration Venue:OAT	Parallel Session 3 Venue:CR207,CR208,CR210 + BARC Presentation (10:00 AM to 10:30 AM) Venue:CR104	Parallel Session 6 Venue:CR207,CR208,CR210 + Hands on Workshop on Learned Image Compression Venue:CR104
9:45 AM to 10:30 AM	Inauguration Venue:OAT		
10:30 AM to 11:00 AM	Tea Break		
11:00 AM to 12:00 PM	Keynote-1 (Prof. Santanu Chaudhury, IIT Jodhpur) Venue:CR103	Keynote-4 (Prof. Sushmita Mitra, ISI Kolkata) Venue:CR103	Keynote-7 (Prof. Tsachy Weissman, Stanford) Venue:CR103
12:00 PM to 12:45 PM	Keynote-2 (Dr. D. Ram Rajak, ISRO) Venue:CR104	Keynote-5 (Dr. Geetha Manjunath, NIRAMAI) Venue:CR104	KeyNote-8 (Prof. Isao Echizen, NII Tokyo) Venue:CR103
1:00 PM to 2:00 PM	Lunch		
2.00 PM to 3.30 PM	Parallel Session 1 + Mathworks Workshop + CVIP 2024 bidding Venue:CR104	Parallel Session 4 Venue:CR207,CR208,CR104 + Auto-WCEBleedGen challenge Venue:CR103	Parallel Session 7 (2:00 PM to 3:45 PM) Venue:CR207,CR208,CR210 + Committee meeting (3:30PM to 4:00 PM) Venue:CR103
3:30 PM to 4.15 PM	Keynote-3 (Dr. Amal Chaturvedi, Roche) Venue:CR104	Keynote-6 (Prof. Devi Parikh, Georgia Tech) Venue:CR104	
4:15 PM to 4:30 PM	Tea Break		Prize Distribution (Best Paper/Poster) and Valedictory Session (4:00PM to 4:30PM)
4:30 PM to 6:15 PM	Parallel Session 2 (Paper Presentations) Venue:CR207,CR208,CR210	Parallel Session 5 Venue::CR207,CR208,CR210 + Poster Session UNITY AR VR Workshop	High Tea (4:30-5:00 PM)
6:30 PM onwards	Cultural Program Venue:OAT	Conference Dinner at Hotel Hari Niwas Palace	

November 03, 2023 (Friday)

8:30 AM – 9:45 AM	Onsite Registration			
9:45 AM to 10:30 AM	Inauguration			
10:30 AM - 11:00 AM	Tea Break			
11:00 AM – 1.00 PM	Keynote - 1 & Keynote 2			
Parallel Sessions S1				
Time	S1-A	S1-B	S1-C	Mathworks Workshop
2:00 PM - 2:15 PM	Paper 35	Paper 75	Paper 117	
2:15 PM - 2:30 PM	Paper 49	Paper 77	Paper 119	
2:30 PM – 2:45 PM	Paper 51	Paper 81	Paper 120	
2:45 PM – 3:00 PM	Paper 65	Paper 102	Paper 197	
3:00 PM – 3:15 PM	Paper 67	Paper 104	Paper 222	
3:15 PM – 3:30 PM	Paper 73	Paper 113	Paper 224	
3:30 PM – 4.15 PM	Keynote 3			
4:15 PM - 4:30 PM	Tea Break			
Parallel Sessions 2				
Time	S2-A	S2-B	S2-C	
4:30 PM - 4:45PM	Paper 252	Paper 465	Paper 66	
4:45 PM – 5:00 PM	Paper 381	Paper 470	Paper 127	
5:00 PM – 5:15 PM	Paper 382	Paper 475	Paper 159	
5:15 PM – 5:30 PM	Paper 401	Paper 491	Paper 228	
5:30 PM – 5:45 PM	Paper 23	Paper 416	Paper 425	
5:45 PM – 6:00 PM	Paper 464	Paper 503	Paper 472	

November 04, 2023 (Saturday)

Parallel Sessions 3				
Time	S3-A	S3-B	S3-C	
8:30 AM - 8:45 AM	Paper 474	Paper 59	Paper 182	
8:45 AM - 9:00 AM	Paper 3	Paper 71	Paper 184	
9:00 AM - 9:15 AM	Paper 22	Paper 72	Paper 204	
9:15 AM - 9:30 AM	Paper 485	Paper 76	Paper 205	
9:30 AM - 9:45 AM	Paper 48	Paper 109	Paper 211	
9:45 AM - 10:00 AM	Paper 57	Paper 178	Paper 212	
10:00 AM – 10:30 AM	BARC Presentation			
10:30 AM – 11:00 AM	Tea Break			
11:00 AM – 1.00 PM	Keynote - 4 & Keynote - 5			
1:00 PM to 2:00 PM	Lunch			
Parallel Sessions 4				
Time	S4-A	S4-B	S4-C	
2:00 PM - 2:15 PM	Paper 220	Paper 327	Paper 390	Auto- WCBleedGen Challenge
2:15 PM - 2:30 PM	Paper 225	Paper 342	Paper 418	
2:30 PM – 2:45 PM	Paper 235	Paper 362	Paper 422	
2:45 PM – 3:00 PM	Paper 242	Paper 369	Paper 451	
3:00 PM – 3:15 PM	Paper 299	Paper 375	Paper 467	
3:15 PM – 3:30 PM	Paper 323	Paper 389	Paper 502	
3:30 PM – 4:15 PM	Keynote - 6			
4:15 PM - 4:30 PM	Tea Break			
Parallel Session 5				
Time	S5-A	S5-B	S5-C	S5-D
4:30 PM - 4:45PM	Paper 5	Paper 185	Paper 319	Poster Presentations Paper ID: 466,436,493, 494, 292, 297, 438, 247, 264, 274, 279, 301, 320, 380, 403, 408, 412, 420, 424, 427, 473, 484, 486, 487, 490, 498, 499, 504
4:45 PM – 5:00 PM	Paper 42	Paper 194	Paper 385	
5:00 PM – 5:15 PM	Paper 79	Paper 223	Paper 388	
5:15 PM – 5:30 PM	Paper 177	Paper 306	Paper 409	
5:30 PM – 5:45 PM	Paper 275	Paper 393	Paper 431	
5:45 PM - 6:00 PM	Paper 432	Paper 442	Paper 248	
6:00 PM - 6:15 PM	Paper 263	Paper 386	Paper 479	

November 05, 2023 (Sunday)

November 05, 2023 (Sunday)				
Parallel Sessions 6				
Time	S6-A	S6-B	S6-C	Hands on Workshop on Learned Image Compression by Dr. Shubham Chandak, Sr. Applied Scientist at Amazon Web Services and Dr. Pulkit Tandon, Research Engineer at Granica
8:30AM-8:45AM	Paper 430	Paper 500	Paper 373	
8:45 AM-9:00AM	Paper 471	Paper 250	Paper 383	
9:00 AM-9:15AM	Paper 476	Paper 478	Paper 480	
9:15 AM -9:30AM	Paper 398	Paper 265	Paper 392	
9:30 AM-9:45 AM	Paper 406	Paper 272	Paper 399	
9:45 AM-10:00AM	Paper 492	Paper 288	Paper 405	
10:00 AM-10:15 AM	Paper 384	Paper 372	Paper 410	
10:15 AM-10:30 AM	Paper 429	Paper 300	Paper 413	
10:30 AM - 11:00 AM	Tea Break			
11:00 AM – 1.00 PM	Keynote - 7 & Keynote - 8			
1:00 PM to 2:00 PM	Lunch			
Time	Parallel Sessions 7			
	S7-A	S7-B	S7-C	
2:00 PM - 2:15 PM	Paper 426	Paper 56	Paper 78	
2:15 PM - 2:30 PM	Paper 445	Paper 64	Paper 201	
2:30 PM – 2:45 PM	Paper 482	Paper 74	Paper 104	
2:45 PM – 3:00 PM	Paper 495	Paper 295	Paper 415	
3:00PM-3:15 PM	Paper 419	Paper 447	Paper 452	
3:15 PM-3:30 PM	Paper 454	Paper 461	Paper 443	
3:30 PM-3:45 PM	Paper 367	Paper 463		
3:30 PM to 4:00PM	Committee Meeting			
4:00 PM – 4:30 PM	Valedictory Session			
4:30PM- 5:00 PM	High Tea			

8th International Conference on Computer Vision & Image Processing (CVIP 2023)**CVIP 2023 Oral Presentation Schedule (November 03, 2023), IIT Jammu****Indian Standard Time [GMT + 5.5 Hours]****November 3, 2023 Parallel Session S1**

Session ID	S1-A	
Date and Time	2:00 PM - 3:30 PM	
Venue	CR-207	
Session Chairs	Dr. Pradeep Singh, Dr. Badri Subudhi	
Paper ID	Paper Title	Author Details
Paper 35	A Novel Dual Watermarking for ECG Signals with Improved Payload	Jyoti Rani (Thapar institute of engineering and technology)*; Ashima Anand (Thapar Institute of Engineering and Technology); Shivendra Shivani (Thapar Institute of engineering and Technology)
Paper 49	A Blockchain and Steganography Based Approach for Storing and Accessing Medical Images	Rohit Malik (Netaji Subhas University of Technology)*; Ishan Chourasia (Netaji Subhas University of Technology); Parth . (Netaji Subhas University of Technology); Raghav Pande (Netaji Subhas University of Technology)
Paper 51	Enhanced on-Device Video Summarization using Audio and Visual Features	Lokesh Kumar Thandaga Nagaraju (Samsung R&D Institute India-Bangalore (SRI-B))*; Ranjitha Beerappa (Samsung Research Institute - Bangalore); jani basha Shaik (Samsung R&D Institute India)
Paper 65	Histogram Matching based Data-Augmentation and Its Impact on CNN model for Covid-19 and Pneumonia Detection from Radiology Images	Santanu Roy (Christ (Deemed to University))*; Vibhuti Bansal (Bharati Vidyapeeth's College of Engineering, New Delhi)
Paper 67	Swift Convergence: Federated Learning Enhanced with GMMs for Image Classification	Aditi Palit (Indian Institute of Technology)*; Nandanavanam Sai Pragna (IIT TIRUPATI); Kalidas Yeturu (Indian Institute of Technology Tirupati)
Paper 73	Robust and Secure dual watermarking for improved protection and preservation of sensitive health-care data	Nimit Gupta (Thapar Institute of Engineering and Technology); Asmi Lakhani (Thapar Institute of Engineering and Technology); Ashima Anand (Thapar Institute of Engineering and Technology)*
Session ID	S1-B	
Date and Time	2:00 PM - 3:30 PM	
Venue	CR-208	
Session Chairs	Dr. Santosh K Viparthi, Dr.Palak Mahajan	
Paper ID	Paper Title	Author Details
Paper 75	Capsule Networks with Dynamic Routing Algorithm on CT Images for the Classification of Benign and Malignancy in Lung Cancer	BUSHARA A R (NOORUL ISLAM CENTER FOR HIGHER EDUCATION)*
Paper 77	Dish Detection in Indian Food Platters: A Computational Framework for Diet Management	Mansi Goel (IIIT-Delhi); Shashank Dargar (IIIT-Delhi); Shounak Ghatak (IIIT-D); Nidhi Verma (IIIT-D); Pratik Chauhan (IIIT-D); Anushka Gupta (IIIT-D); Nikhila vishnumolakala (IIITD); Hareesh Amuru (IIIT-D); Ekta Gambhir (IIIT-D); Ronak Chhajed (IIIT-D); Meenal Jain (IIIT-Delhi); Astha Jain (IIIT-D); Samiksha Garg (IIIT-D); Ganesh Bagler (IIIT-Delhi)*
Paper 81	Bit Plane Segmentation and LBP-based Coverless Video Steganography for Secure Data Transmission	Sourabh Debnath (National Institute of Technology Rourkela)*; Ramesh Kumar Mohapatra (NIT Rourkela); Tejas S Kulkarni (NIT Rourkela)

Paper 102	Analyzing Performance of Students Using Data Engineering And Multi-Model Machine Learning System	Ashok Kumar A (R.M.K. Engineering College)*
Paper 104	Feature Selection based Machine Learning model for Malware Detection	Iubna Javaid (Shri Mata Vaishno Devi University)*
Paper 113	Exploring CNN-Based Models for Automated Detection and Classification of Defects in PCB: A Comparison of ResNet50v1 and EfficientDet D1	Sachin Sharma (Indrashil University)*; Dhruv Patel (IAR, Gandhinagar); Dr. Dharmesh Shah (Sankalchand Patel University, Visnagar, Gujarat)
Session ID	S1-C	
Date and Time	2:00 PM - 3:30 PM	
Venue	CR-210	
Session Chairs	Dr. Prithwijiit Guha, Dr. Karan Nathwani	
Paper ID	Paper Title	Author Details
Paper 117	Experimental Evaluation of Needle Tip Prediction using Kalman Filtering Approach	Surender Hans (Poornima College of Engineering)*
Paper 119	Coping with Increased Levels of Label Noise in Facial Expression Recognition	Naveen Siva Kumar Badveeti (Sri Sathya Sai Institute of Higher Learning); Bobbili Veerendra Raj Kumar (Sri Sathya Sai Institute of Higher Learning); Darshan Gera (SSSIHL)*; Balasubramanian S (SSSIHL)
Paper 120	Efficient Seizure Prediction from Images of EEG Signals using Convolutional Neural Network	Ranjan Jana (RCC Institute of Information Technology)*; Imon Mukherjee (IIIT Kalyani)
Paper 197	Reinforcement Algorithm-guided ROI Extraction of Fingerprint Biometric Data	Santhoshkumar Peddi (Indian Institute of Technology, Kharagpur)*; Alka Ranjan (Indian Institute of Technology, Kharagpur); Mahajan Rohan Raj (Indian Institute of Technology, Kharagpur); Nishkal Prakash (Indian Institute of Technology, Kharagpur); Monalisa Sarma (Indian Institute of Technology, Kharagpur); Debasis Samanta (Indian Institute of Technology, Kharagpur)
Paper 222	Application of Modified digital circle algorithm towards the generation of 3D Sphere	Soumi Dhar (NIT SILCHAR)*
Paper 224	Payload length and location identification using a novel CNN and re-embedding strategy in stego images created by Content adaptive steganographic algorithms	Amrutha E (Mepco Schlenk Engineering College)*; Arivazhagan Selvaraj (Mepco Schlenk Engineering College); W Sylvia Lilly Jebarani (Mepco Schlenk Engineering College); Veena S T (Mepco Schlenk Engineering College)

November 3, 2023, Parallel session S2

Session ID	S2-A	
Date and Time	4:45 PM - 6:15 PM	
Venue	CR-207	
Session Chairs	Dr. Deepak Mishra, Dr. Hemant Prakash	
Paper ID	Paper Title	Author Details
Paper 252	Polyphonic Sound Event Detection using Modified Recurrent Temporal Pyramid Neural Network	Spoorthy V (National Institute of Technology Karnataka, Surathkal)*; Shashidhar Koolagudi (National Institute of Technology Karnataka)
Paper 381	xDFPAD: Explainable Tabular Deep Learning for Fingerprint Presentation Attack Detection	Ram Prakash Sharma (LNM Institute of Information Technology, Jaipur)*; Shaik Dastagiri (LNM Institute of Information Technology, Jaipur); Kongara Sireesh (LNM Institute of Information Technology, Jaipur)
Paper 382	Gaze Classification on Redacted Videos	Sharat Chandran (IIT Bombay)*; Shubham Chitnis (Indian Institute of Technology Bombay); Bhisma Dev Chakrabarti (University of Reading)

Paper 401	Artificial Eye: Online video browsing guide for visually impaired	Ratnabali Pal (National Institute of Technology,Durgapur)*; Samarjit Kar (National Institute of Technology Durgapur); Arif Ahmed Sekh (XIM University, Bhubaneswar)
Paper 23	Diabetic Retinopathy Detection using Novel Loss Function in Deep Learning	Saurabh Singh (National Institute of Technology Karnataka); Annappa B. (National Institute of Technology Karnataka); Shubham Dodia (Vishwakarma Institute of Information Technology, Kondhwa(Bk), Pune)*
Paper 464	Effective-LDAM: An Effective Loss Function To Mitigate Data Imbalance for Robust Chest X-Ray Disease Classification	Sree Rama Vamsidhar S (Indian Institute of Technology(IIT Tirupati)*; Bhargava Satya Nunna (Andhra University); Gorthi Rama Krishna Sai Subrahmanyam (IIT Tirupati)
Session ID	S2-B	
Date and Time	4:45 PM - 6:15 PM	
Venue	CR-208	
Session Chairs	Dr. Amal Chaturvedi, Dr. Shitala Prasad	
Paper ID	Paper Title	Author Details
Paper 465	Investigating the changes in BOLD responses during viewing of images with varied complexity: An fMRI time-series based analysis on human vision	Naveen Kanigiri (International Institute of Information Technology Bangalore); Manohar Suggula (International Institute of Information Technology Bangalore); Debanjali Bhattacharya (International Institute of Information Technology Bangalore)*; Neelam Sinha (IIIT Bangalore)
Paper 470	Exploring the Feasibility of PPG for Estimation of Heart Rate Variability: A Mathematical Approach	Tejasv Bhatt (United College of Engineering and Research, Prayagraj, Uttar Pradesh); Abhishek Shrivastava (Dr.S P Mukherjee International Institute of Information Technology); Santosh Kumar (Dr.S P Mukherjee International Institute of Information Technology); SHRESTH GUPTA (International Institute of Information Technology, naya raipur)
Paper 475	A Fractional Order Derivative Based Active Contour Model for Simultaneous Image Despeckling and Segmentation	Ankit Kumar (National Institute of Technology Hamirpur)*; Subit K. Jain (National Institute of Technology Hamirpur)
Paper 491	Morse Code To Speech Conversion And Validation	Anurag Singh (Dr. SPM IIIT Naya Raipur)*; Deepanshu Pratik (IIIT Naya Raipur); Kshitiz Kumar Singh (IIIT Naya Raipur); Soumya R Patnaik (IIIT Naya Raipur)
Paper 416	Learnable GAN Regularization for Improving Training Stability in Limited Data Paradigm	Nakul Singh (Indian Institute of Technology Kanpur)*; Tushar Sandhan (Indian Institute of Technology Kanpur)
Paper 503	An Optimized Span Named Entity Recognition using Incremental Learning	Sandeep Kumar Gupta (MNIT Jaipur)*; KK Mathew (Xerox Technology Service India)
Session ID	S2-C	
Date and Time	4:45 PM - 6:15 PM	
Venue	CR-210	
Session Chairs	Dr. Jagadeesh Kakarla, Dr. D. Ram Rajak	
Paper ID	Paper Title	Author Details
Paper 66	Vision Transformer-Based Attention Module for Residual Image Dehazing	Abdul Wasi Lone (Chandigarh University)*; Jeba Shiney O (Chandigarh University)
Paper 127	Image Inpainting for distorted images using Partial Convolution U-Net models	Rashmi Adyapady R (National Institute of Technology Karnataka)*; Prem Sagar (National Institute of Technology Karnataka, Surathkal); Annappa B. (National Institute of Technology Karnataka)
Paper 159	Adjust Your Focus: Defocus Deblurring From Dual-Pixel Images Using Explicit Multi-Scale Cross-Correlation	Kunal Swami (Samsung Research India Bangalore and Indian Institute of Science (IISc))*
Paper 228	MCCNet: A Multi-Scale Cross Connection Network for Low-Light Image Enhancement	SANTOSH KUMAR PANDA (National Institute Of Technology Rourkela); Devidutta Nayak (NIT Rourkela); Pankaj Kumar Sa (NIT Rourkela)*

Paper 425	Face Image Inpainting using Context Encoders and Dynamically Initialized Mask	Sahil Maurya (Indian Institute of Technology Kanpur)*; Tushar Sandhan (Indian Institute of Technology Kanpur)
Paper 472	Lightweight Learning Model for Speckle Denoising in Digital Holography	Vaishnavi Ravi (Indian Institute of Technology, Tirupati); Vengala Krishna Sumanth (IIT Tirupati); Gorthi Rama Krishna Sai Subrahmanyam (IIT Tirupati)*; Subrahmanyam VRMS Gorthi (Indian Institute of Technology - Tirupati)

8th International Conference on Computer Vision & Image Processing (CVIP 2023)**CVIP 2023 Oral Presentation Schedule (November 04, 2023), IIT Jammu****Indian Standard Time [GMT + 5.5 Hours]****November 4, 2023 Parallel session S3**

Session ID	S3-A	
Date and Time	8:30 AM - 10:30 AM	
Venue	CR-207	
Session Chairs	Dr Nidhi Goel, Dr. Deepak Mishra	
Paper ID	Paper Title	Author Details
Paper 474	Contextual Information Aggregation based Lightweight Network for Single Image Blind De-Noising	Amit Satish Unde (SRI-B)*; Siddharth Roheda (SRI-B); Raghu Chittersu (SRI-B); Shreyas Pandith (SRI-B); Mohammad Suhail (SRI-B); Loay Rashid (Samsung R&D Institute India-Bangalore (SRI-B))
Paper 3	Generative Adversarial Network for Augmenting Low-Dose CT Images	Keshab Nath (Indian Institute of Information Technology Kottayam, Kerala)*
Paper 22	PoseWatch: Advancing Real Time Human Pose Tracking and Juxtaposition with Deep Learning	Tajamul Mr Ashraf (Indian Institute of Technology Delhi)*; Balaji Prabhu BV (Malnad College of Engineering, Hassan); Omkar Subbaram Jois Narasipura (IISc Bangalore)
Paper 485	One Shot Learning to Select Data Augmentations for Skin Lesion Classification	Avani Tiwari (New York University)*; Prasad P Kanhegaonkar (IIT Indore); Surya Prakash (IIT Indore)
Paper 48	CoreDeep: Improving Crack Detection Algorithms Using Width Stochasticity	Ram K Pandey (IISc & GE Research); Akshit Achara (GE Research)*
Paper 57	Fractal-Based Approach to Secure Key Generation from Fingerprint and Iris Biometrics	Priyabrata Dash (Indian Institute of Technology Kharagpur)*; Monalisa Sarma (Indian Institute of Technology Kharagpur); Debasis Samanta (Indian Institute of Technology, Kharagpur)
Session ID	S3-B	
Date and Time	8:30 AM - 10:30 AM	
Venue	CR-208	
Session Chairs	Prof. RK Gorthi, Dr. Shivram Dubey	
Paper ID	Paper Title	Author Details
Paper 59	Cross View and Cross Walking Gait Recognition Using a Convolutional Neural Network	Sonam Nahar (Pandit Deendayal Energy University)*; Sagar Narsingani (Pandit Deendayal Energy University); Yash Patel (Pandit Deendayal Energy University)
Paper 71	Enhancing Video Surveillance with Deep Learning-Based Real-Time Weapon Detection and Tracking	Pavinder Mr. Yadav (National Institute of Technology, Hamirpur); Nidhi Gupta (NIT Kurukshetra)*; Pawan Kumar Sharma (National Institute of Technology, Hamirpur)
Paper 72	YOLORe-IDNet: An Efficient Multi-Camera System for Person-Tracking	Vipin Gautam (Indian Institute of Technology (IIT) Goa)*; Shitala Prasad (NTU Singapore); Sharad Sinha (IIT Goa)
Paper 76	ExtSwap: Leveraging Extended Latent Mapper for Generating High Quality Face Swapping	Aravinda Reddy PN (Indian Institute of Technology Kharagpur, West Bengal India)*; Raghavendra Ramachandra (NTNU, Norway); Krothapalli Sreenivasa Rao (Indian Institute of Technology Kharagpur); Pabitra Mitra (IIT Kharagpur)
Paper 109	A Deep Face Antispoofing System With Hardware Implementation for Real-time Applications	Saiyed Umer (Aliah University); Shubham S Singh (National Institute of Technology Srinagar); Vikram Kangotra (NIT Srinagar, Jammu and Kashmir); ranjeet K rout (NIT Srinagar)*

Paper 178	Isolated Sign Language Recognition using Deep Learning	Sukanya Das (Indian Institute of Technology Kharagpur)*; Sumit Kumar Yadav (IIT Kharagpur); Debasis Samanta (Indian Institute of Technology Kharagpur)
Session ID	S3-C	
Date and Time	8:30 AM - 10:30 AM	
Venue	CR-210	
Session Chairs	Dr. Gaurav Bhatnagar, Dr. Sanjeev Malik	
Paper ID	Paper Title	Author Details
Paper 182	Identity Preserved Expressive Talking Faces with Synchrony	Karumuri Meher Abhijeet (IIT Guwahati)*; Prithwijiit Guha (IIT Guwahati); Arshad Ali (IIT Guwahati)
Paper 184	An Integrated Approach: Combining GrabCut and Contour-Matching for Hand Gesture Segmentation in Indian Sign Language	Poornima B V (JSS STU)*; Srinath S (JSS STU); Rashmi S (JSS Science and Technology University); Rakshitha R (JSS STU)
Paper 204	Image Captioning with Visual Positional Embedding and Bi-Linear Pooling	Sidharth Nair (Indian Institute of Technology Guwahati)*; Prithwijiit Guha (IIT Guwahati)
Paper 205	Automated Cricket Commentary Generation For Videos	Lohith V (Pes University)*; Shashank K Yadav (PES University); Sachin MS (Pes University); Madan V Patil (Pes University); Surabhi Narayan (PES University)
Paper 211	When CNN Fails to Predict after a Pixel Attack?	Sanjana Guna (IIIT Hyderabad); pawan kumar (IIIT, Hyderabad)*
Paper 212	Driver Drowsiness Detection using Vision Transformer	Shaheen Usmani (ABV-IIITM Gwalior); BHARAT CHANDWANI (ABV-IIITM Gwalior); Debanjan Sadhya (ABV-IIITM Gwalior)*

November 4, 2023 Parallel session S4

Session ID	S4-A	
Date and Time	2:00 PM - 3:30 PM	
Venue	CR-207	
Session Chairs	Dr. Pritee Khanna, Dr. Santosh K Viparth	
Paper ID	Paper Title	Author Details
Paper 220	Weakly Supervised Spatio-Temporal Attention based Deep Network for Crowd Counting	Aditishree LNU (IIT (BHU), Varanasi)*; Santosh Kumar Tripathy (VIT Bhopal University, Bhopal-Indore Highway, Kothrikalan, Sehore 1, Madhya Pradesh – 466114, India); Rajeev Srivastava (Indian Institute of Technology (BHU), Varanasi-221005, U.P., India)
Paper 225	Feature Fusion and Multi-head Attention based Hindi Captioner	Virendra Kumar Meghwal (MNIT)*; Namita Mittal (MNIT Jaipur); girdhari singh (MNIT)
Paper 235	Automatic Bharatanatyam Dance Video Annotation Tool Using CNN	Himadri BGS Bhuyan (GITAM University, Visakhapatnam)*; Partha Pratim Das (IIT Kharagpur); Vishal Tewari (IIT Kharagpur)
Paper 242	Enhancing Face Emotion Recognition with FACS-Based Synthetic Dataset using Deep Learning Models	Shiwangi Mishra (Imentiv AI)*; Shalu P (Imentiv AI); Rohan singh (Imentiv AI)
Paper 299	GAN-Based Super-Resolution for Disease Detection in Aerial Images: A Case Study of Potato Crop	Anil Pankaj (IIT Tirupati)*; Kalidas Yeturu (Indian Institute of Technology Tirupati); Venkataramana Badarla (IIT Tirupati)

Paper 323	FResFormer: Leukemia Detection Using Fusion-enabled CNN and Attention	Murukessan Perumal (National Institute of Technology Warangal)*; E Goutham (Institute of Aeronautical Engineering, Dundigal, Hyderabad); Shivani Sri Varshini U (National Institute of Technology Warangal); Dr. M. Srinivas (NIT Warangal); Dr. R.B.V Subramanyam (National Institute of Technology Warangal)
Session ID	S4-B	
Date and Time	2:00 PM - 3:30 PM	
Venue	CR-208	
Session Chairs	Dr. Gaurav Bhatnagar, Dr. Siddharth Maheshwari	
Paper ID	Paper Title	Author Details
Paper 327	S-Net: A Lightweight Real-time Semantic Segmentation Network for Autonomous Driving	Saqib Mazhar (IIT Guwahati)*; Nadeem Atif (IIT Guwahati); M K Bhuyan (IIT Guwahati); Dr. Shaik Rafi Ahamed (IIT GUWAHATI)
Paper 342	Automated Detection and Classification System for Meso-thelioma Cancer Using Deep Learning Models with HPO	APEKSHA KOUL (PUNJABI UNIVERSITY); Rajesh K. Bawa (Punjabi University); Yogesh Kumar (Pandit Deendayal Energy University, Gandhinagar)*
Paper 362	Segmentation and Labeling of Vertebra using SegFormer Architecture	Debgandhar Ghosh (Maulana Abul Kalam Azad University of Technology)*; Archan Ghosh (University of Calcutta); Somoballi Ghoshal (University of Calcutta); Amlan Chakrabarti (University of Calcutta); Susmita Sur-Kolay (Indian Statistical Institute, Kolkata)
Paper 369	CNN based Tropical Cyclone Intensity Estimation using Satellite Images around Indian Subcontinent	Parag Jha (National Institute of Technology Karnataka, Surathkal)*; Sumam David (National Institute of Technology Karnataka, Surathkal); Deepu Vijayaseenan (National Institute of Technology Karnataka, Surathkal)
Paper 375	MuSTAT: Face Ageing using Multi-Scale Target Age Style Transfer	Praveen Kumar Chandaliya (NTNU)*; Kiran Raja (NTNU); Snehal Gharat (MNIT); Neeta Nain (Malaviya National Institute of Technology, Jaipur); santanuroy35@gmail.com; Raghavendra Ramachandra (NTNU, Norway); Christoph Busch (Norwegian University of Science and Technology)
Paper 389	DCT-SwinGAN: Leveraging DCT and Swin Transformer for Face Synthesis from Sketch and Thermal Domains	Haresh Kumar Kotadiya (Indian Institute of Information Technology, Allahabad); Satish Kumar Singh (IIIT Allahabad); Shiv Ram Dubey (Indian Institute of Information Technology, Allahabad)*; NAND KUMAR YADAV (IIIT Allahabad)
Session ID	S4-C	
Date and Time	2:00 PM - 3:30 PM	
Venue	C(CR_210)	
Session Chairs	Dr. Hemant Prakash, Prof. Sushmita Mitra	
Paper ID	Paper Title	Author Details
Paper 390	Imitation learning of long-horizon manipulation tasks through temporal sub-action sequencing	Niharika Singh (Indian Institute of Technology Kanpur)*; Niharika Singh (Indian Institute of Technology Kanpur); Samrat Dutta (Tata Consultancy Services); Tushar Sandhan (Indian Institute of Technology Kanpur); Tushar Sandhan (Indian Institute of Technology Kanpur); Aditya Jain (Mila); Ravi Prakash (Indian Institute of Technology Kanpur); ANIMA MAJUMDER (Tata Consultancy Services); Prof Laxmidhar Behera (IIT Kanpur); Rajesh Sinha (Tata Consultancy Services)
Paper 418	Real Time Video Stitching Using Fixed Camera Configurations	Bhavesk Kumar Singhal (Indian Institute of Technology, Guwahati)*; Saqib Mazhar (IIT Guwahati); M K Bhuyan (IIT Guwahati)

Paper 422	Enhancing Computer Vision Performance: A Hybrid Deep Learning Approach with CNNs and Vision Transformers	Abha Singh Sardar (Maulana Azad National Institute of Technology)*; Vivek Ranjan (Maulana Azad National Institute of Technology)
Paper 451	An Improved AttnGAN model for Text-to-Image Synthesis	Remya Gopalakrishnan (National Institute of Technology Calicut)*; Naveen Sambagni (NIT Calicut); Dr. P V Sudeep (NIT Calicut)
Paper 467	MotionFormer: An Improved Transformer-Based Architecture for Multi-Object Tracking	Harshit Agrawal (Indian Institute of Technology (BHU) Varanasi); Agrya Halder (Indian Institute of Technology (BHU) Varanasi); Pratik Chattopadhyay (Indian Institute of Technology (BHU), Varanasi)*
Paper 502	EmoComposer: Integrating Computer Vision and LSTM-Based Music Generation for Emotionally Intelligent Compositions	Sanskriti Chandra (International Institute Of Information Technology, Naya Raipur); Santosh Kumar (Dr.S P Mukherjee International Institute of Information Technology)*; Mithilesh Kumar Chaube (IIITNR RAIPUR); Saeed Hamood Alsamhi (University of Galway); Edward Curry (NUIG, Insight Centre for Data Analytics)

November 4, 2023 Parallel session S5

Session ID	S5-A	
Date and Time	4:30 PM - 6:15 PM	
Venue	A(CR_207)	
Session Chairs	Dr. Samaresh Bera, Dr. Prithawijit Guha	
Paper ID	Paper Title	Author Details
Paper 5	WSD: Wild Selfie Dataset for Face Recognition in Selfie Images	Laxman Kumarapu (New York University, USA); Shiv Ram Dubey (Indian Institute of Information Technology, Allahabad); Snehasis Mukherjee (Shiv Nadar Institute of Eminence, Greater Noida, India)*; Parkhi Mohan (Indian Institute of Management, Lucknow, India); Sree Pragna Vinnakoti (Arizona State University, USA); Subhash Karthikeya (Indian Institute of Information Technology, Sri City, Chittoor, India)
Paper 42	Near-Infrared Image Colorization using Unsupervised Contrastive Learning	Devesh Rao (NIT Calicut); Pournami P N (National Institute of Technology, Calicut)*; Jayaraj P B (NIT Calicut)
Paper 79	Building Segmentation using Residual Concatenation of Multi-scale Features from Very High Resolution Remote Sensing Images	Akshara Preethy Byju (Amrita Vishwa Vidyapeetham)*; Lakshmi Vijayan (Amrita Vishwa Vidyapeetham)
Paper 177	A Gradient-based Approach to Interpreting Visual Encoding Models	Subhrasankar Chatterjee (Indian Institute of Technology, Kharagpur)*; Debasis Samanta (Indian Institute of Technology, Kharagpur)
Paper 275	Automated Detection of Cracks in Asphalt pavement images using texture descriptors and Machine Learning classifier	Rakshitha R (JSS STU)*; SRINATH S (JSS SCIENCE AND TECHNICAL UNIVERSITY); N Vinay Kumar (University of Mysore); Rashmi S (JSS Science and Technology University); Poornima B V (JSS STU)
Paper 432	Classification of Insect Pest using Transfer Learning Mechanism	parveen Malik (KIIT University)*; MANOJ KUMAR PARIDA (KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY)
Paper 263	Egocentric action prediction via knowledge distillation and subject-action relevance	Snehasis Mukherjee (Shiv Nadar Institute of Eminence, Greater Noida, India)*; Bhavay Chopra (VIT University, Vellore)
Session ID	S5-B	
Date and Time	4:30 PM - 6:15 PM	
Venue	B(CR_208)	
Session Chairs	Dr. Shitala Prasad, Dr. Arvind Selwal	
Paper ID	Paper Title	Author Details

Paper 185	Automated Lateral Cephalometric Landmark Anno-tation using Histogram Oriented Gradients extracted from Localized Region of Interest	Rashmi S (JSS Science and Technology University)*; Srinath S (JSS Science and Technology University); Karthikeya Patil (JSS Dental College and Hospital, JSS Academy of Higher Education and Research); Prashanth S Murthy (JSS Dental College and Hospital, JSS Academy of Higher Education and Research); Seema Deshmukh (JSS Dental College and Hospital, JSS Academy of Higher Education and Research)
Paper 194	Improved metric space for shape correspondence	Manika Bindal (Goa University)*; Venkatesh V Kamat (IIT Goa)
Paper 223	ConvMTL: Multi-Task Learning via Self-Supervised Learning for Simultaneous Dense Predictions	Vijayasri Iyer (Amrita School of Computing)*; Senthil Kumar Thangavel (Amrita School of Computing); Madhusudana Rao Nalluri (Amrita School of Computing); Maiga Chang (Athabasca University)
Paper 306	Uncovering the Extent of Flood Damage using Sentinel-1 SAR Imagery: A Case Study of the July 2020 Flood in Assam	Puviarasi Thirugnanasammandamoorthi (Thapar Institute of Engineering and Technology)*; Debabrata Ghosh (Thapar Institute of Engineering and Technology); Ram K Dewangan (Thapar Institute of Engineering and Technology Patiala)
Paper 393	NOVEL DATASET CREATION OF VARIETIES OF BANANA AND RIPENING STAGES FOR MACHINE LEARNING APPLICATIONS	Manasa T Nagaraju (JSS STU)*; Pushpalatha Muller (SJCE JSS STU)
Paper 442	A Comparative Analysis of Named Entity Recognition Techniques	Sandeep Kumar Gupta (MNIT Jaipur)*; KK Mathew (Xerox Technology Service India LLP); Subhendu Sekhar Sahoo (IIT Palakkad)
Paper 386	A Machine Learning Approach for Risk Prediction of Cardiovascular Disease	Shovna Panda (IIIT Bhubaneswar/IT); Shantilata Palei (IIIT,BBSR/CSE); Mullapudi Venakata Sai Samartha (International Institute of Technology Bhubaneswar); Biswajit Jena (SOA University/CSE); Sanjay Saxena (International Institute of Information Technology Bhubaneswar)*
Session ID	S5-C	
Date and Time	4:30 PM - 6:15 PM	
Venue	C(CR_210)	
Session Chairs	Dr. Karan Nathwani, Prof. RK Gorthi	
Paper ID	Paper Title	Author Details
Paper 319	Robust Unsupervised Geo-Spatial Change Detection Algorithm for SAR Images	Mrinmoy Sarkar (Techno International New Town)*; Subhojeet Roy (Not Available); Rudrajit Choudhuri (St Thomas' College of Engineering & Technology)
Paper 385	Synthesis of Glioblastoma Segmentation Data Using Generative Adversarial Network	Mullapudi Venakata Sai Samartha (International Institute of Technology Bhubaneswar); Gorantla Maheswar (IIIT Bhubaneswar/CSE); Shantilata Palei (IIIT,BBSR/CSE); Biswajit Jena (SOA University/CSE); Sanjay Saxena (International Institute of Information Technology Bhubaneswar)*
Paper 388	Automatic Segmentation of Hard Exudates using LAB color space Contours Edge detection and Morphological Operation	Shree Prakash (IIITDM KANCHEEPURAM); Dr Jagadeesh Kakarla (IIITDM)*
Paper 409	Automatic Signboard Recognition in Low Quality Night Images	Manas Kagde (Indian Institute of Technology Indore); Priyanka Choudhary (Indian Institute of Technology Indore)*; Somnath Dey (IIT Indore); Rishi Joshi (Shri Vaishnav Vidyapeeth Vishwavidyalaya)
Paper 431	Cross-Domain Feature Extraction using CycleGAN for Large FoV Thermal Image creation	Sudeep Rathore (Bennett University)*; Avinash Upadhyay (Bennett University); Manoj Sharma (Bennett University); Ajay Yadav (Bennett University); Shyam Chand G (NSUT); Amit Singhal (NSUT); Prerana Mukherjee (IIT DELHI); Prof. Brejesh Lall (IIT Delhi)

Paper 248	Fusion of LSTM and RNN for Abnormal Activity Detection From CCTV Camera Feeds	Dr. Vijay S Ukani (NIRMA University)*; Pritamkumar Prajapati (Institute of technology, Nirma University)
Paper 479	An Explainable Deep Learning Model for Fingerprint Presentation Attack Detection	Anuj Rai (IIT Indore)*; Somnath Dey (IIT Indore)

8th International Conference on Computer Vision & Image Processing (CVIP 2023)**CVIP 2023 Oral Presentation Schedule (November 05, 2023), IIT Jammu****November 5 2023 Parallel session S6**

Session ID	S6-A	
Date and Time	8:30 AM - 10:30 AM	
Venue	A(CR-207)	
Session Chairs	Dr. Deep Gupta, Dr. Samaresh Bera	
Paper ID	Paper Title	Author Details
Paper 430	Towards Efficient Semantic Segmentation Compression via Meta Pruning	Ashutosh Mishra (IIIT Hyderabad)*; Shyam Nandan Rai (IIIT-Hyderabad); Girish Varma (IIIT Hyderabad); C.V. Jawahar (IIIT-Hyderabad)
Paper 471	Improved Multi-Modal Image Fusion with Attention and Dense Networks: Visual and Quantitative Evaluation	ANKAN BANERJEE (NIT ROURKELA)*; Dipti Patra (NIT Rourkela); Pradipta Roy (DRDO)
Paper 476	Making Domain Specific Adversarial Attacks for Retinal Fundus Images	Nirmal Joseph (NIT Calicut)*; Dr. Ameer P. M. (NIT-Calicut); Sudhish George (National Institute of Technology Calicut, India); Kiran Raja (NTNU)
Paper 398	DeYOLO : A CNN Based Novel Approach for Classification and Localization of Pneumonia in Chest Radiographs	Murukessan Perumal (National Institute of Technology Warangal)*; E Goutham (Institute of Aeronautical Engineering, Dundigal, Hyderabad); Debraj Das (Indian Institute of Engineering Science and Technology (IEST), Shibpur); Dr. M. Srinivas (NIT Warangal)
Paper 406	COMPUSR: Computationally Efficient Unsupervised Super-Resolution Approach for Wireless Capsule Endoscopy	Nirban Saha (Sardar Vallabhbhai National Institute of Technology); ANJALI SARVAIYA (SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT); Kishor Upla (Norwegian University of Science and Technology)*; Kiran Raja (NTNU); Marius Pedersen (NTNU)
Paper 492	Enhanced Heart Disease Classification using Parallelization and integrated Machine-Learning Techniques	Subham Panda (IIIT Allahabad); Rishik Gupta (Manipal University Jaipur); Chandan Kumar (IIIT, ALLAHABAD); Rashi Mishra (IIITA); Saransh Gupta (IIIT Allahabad); Akash Bhardwaj (Indian Institute of Information Technology, Allahabad); Pratiksh Kumar (Indian Institute of information Technology Allahabad); Prakhar Shukla (IIITA); Bagesh Kumar (MUJ)*
Paper 384	LiteFace: A Light-weight Multi-person Face Detection Model	Kanupriya Anand (RV College of Engineering)*; NIRMALA MURALI (IIST); Deepak Mishra (IIST)
Paper 429	Semi-supervised Polyp Classification in Colonoscopy Images using GAN	Darshika Verma (Indian Institute of Technology Guwahati)*; Vanshali Sharma (IIT Guwahati); Pradip K Das (IITG)
Session ID	S6-B	
Date and Time	8:30 AM - 10:30 AM	
Venue	B (CR_208)	
Session Chairs	Dr. Puneet Goyal, Dr. Siddharth Maheshwari	
Paper ID	Paper Title	Author Details
Paper 500	Face Detection in Challenging Scenes with a Customized Backbone	Yogesh Aggarwal (Indian Institute of Technology, Guwahati)*; PANKAJ CHOUDHURY (Indian Institute of Technology Guwahati); Prithwijit Guha (IIT Guwahati)

Paper 250	Interval Valued Data Representation for Gender Classification of Celebrity Cartoon faces	PRAJNA S (University of Mysore)*; Dr. D. S Guru (Mysore University); Shivaprasad D L (University of Mysore); N Vinay Kumar (University of Mysore)
Paper 478	A fast and efficient algorithm for construction of discrete Voronoi diagram.	Soumi Dhar (NIT SILCHAR)*
Paper 265	Actor-Centric Spatio-Temporal Feature Extraction for Action Recognition	Anil Kunchala (Technological University Dublin)*; Bianca Schoen-Phelan (Technological University Dublin); Melanie Bourouche (Trinity College Dublin)
Paper 272	Robustness of ConvNet to high-frequency image corruptions	ARNAB BANERJEE (Zoom Video Communications India Private Limited)*
Paper 288	Image Dehazing based on Online Distillation	JAISURYA R S (Shiv Nadar University); Snehasis Mukherjee (Shiv Nadar Institute of Eminence, Greater Noida, India)*
Paper 372	Efficient Contextual Feature Network for Lightweight Image Super Resolution	Inderjeet (Indian Institute of Technology Ropar)*; Jyotindra Singh Sahambi (Indian Institute of Technology Ropar)
Paper 300	Biogeography Based Band Selection for Hyperspectral Image Classification	Aloke Datta (The LNM Institute of Information Technology Jaipur)*; Gaurav Nirajan (The LNM Institute of Information Technology)
Session ID	S6-C	
Date and Time	8:30 AM - 10:30 AM	
Venue	C(CR-210)	
Session Chairs	Dr. Nidhi Goel, Dr. Gaurav Varshney	
Paper ID	Paper Title	Author Details
Paper 373	T-Fusion Net: A Novel Deep Neural Network Augmented with Multiple Localizations based Spatial Attention Mechanisms for Covid-19 Detection	Susmita Ghosh (Jadavpur University)*; Abhiroop Chatterjee (Jadavpur University)
Paper 383	Drug Recommendation System for Cancer Patients Using XAI: A Traceability Perspective	Plavani Sahoo (IIIT Bhubaneswar/CSE); Prashanth Dasari (IIIT Bhubaneswar); Mullapudi Venakata Sai Samartha (International Institute of Technology Bhubaneswar); Shantilata Palei (IIIT,BBSR/CSE); Biswajit Jena (SOA University, Bhubaneswar); Sanjay Saxena (International Institute of Information Technology Bhubaneswar)*
Paper 480	Multiscale Feature Fusion using Hybrid Loss for Skin Lesion Segmentation	RAHUL VERMA (INDIAN INSTITUTE OF TECHNOLOGY KANPUR)*; Tushar Sandhan (Indian Institute of Technology Kanpur)
Paper 392	Adversarial Learning based Semi-Supervised Semantic Segmentation of Low Resolution Gram Stained Microscopic Images	Harshal Singh (National Institute of Technology Karnataka)*; Vidyashree R Kanabur (National Institute of Technology Karnataka)
Paper 399	Fingerprint Anti-spoofing Analysis: from Minutiae to Transformers	Tushar Goyal (Indian Institute of Technology Kanpur)*; Harshit Shakya (Indian Institute of Technology Kanpur); Aditya Khandelwal (Indian Institute of Technology Kanpur); Himanshu Patidar (Indian Institute of Technology Kanpur); Tushar Sandhan (Indian Institute of Technology Kanpur)
Paper 405	Wireless Capsule Endoscopy Image Super-Resolution using Deep Learning	ANJALI SARVAIYA (SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT); Hiren Vaghela (SVNIT); Kishor Upla (Norwegian University of Science and Technology)*; Kiran Raja (NTNU); Marius Pedersen (NTNU)
Paper 410	An Effective CNN-based Approach for Synthetic Face Image Detection in Pre-Social and Post-Social Media Context	Protay Dey (Indian Institute of Technology Ropar)*; Abhilasha S Jadhav (Indian Institute of Technology Ropar); Kapil Rana (IIT Ropar)
Paper 413	Free-Throw Prediction in Basketball Sport using Object Detection and Computer Vision	Mayur S Gowda (Ramaiah Institute of Technology); Dhruv Shindhe S (IISc); S N Omkar (Indian Institute of Science)*

November 5, 2023 Parallel session S7

Session ID	S7-A	
Date and Time	2:00 PM - 3:45 PM	
Venue	A(CR_207)	
Session Chairs	Dr. Palak Mahajan , Dr. Arvind Selwal	
Paper ID	Paper Title	Author Details
Paper 426	A Comparative Study on Deep CNN Visual Encoders for Image Captioning	Arun Madakannu (MepcoSchlenk Engineering College)*; Arivazhagan Selvaraj (Mepco Schlenk Engineering College); Harinisri R (Mepco Schlenk Engineering College); Raghavi P S (Mepco Schlenk Engineering College)
Paper 445	Colorization of Thermal Facial Images into Visible Facial Image using RGB-GAN	Dnyaneshwar Bhadane (Indian Institute of Information Technology, Lucknow)*; Soumendu Chakraborty (Indian Institute of Information Technology Lucknow)
Paper 482	High Capacity Reversible Steganographic Technique with Authentication Capability	Iffat Rehman Ansari (Aligarh Muslim University, Aligarh)*; Prof. Ekram Khan (Aligarh Muslim University); Mohd Ayyub Khan (Aligarh Muslim University); Nasir Hurrah (Aligarh Muslim University, Aligarh)
Paper 495	EUWOD-16: An Extended Dataset for Underwater Object Detection	Vignesh P (Indian Institute of Technology, Guwahati)*; Shrihari A (Indian Institute of Technology Guwahati); Prithwijit Guha (IIT Guwahati)
Paper 419	Joint-YODNet: A Light-weight Object Detector for UAVs to Achieve Above 100fps	Vipin Gautam (Indian Institute of Technology (IIT) Goa); Shitala Prasad (NTU Singapore)*; Sharad Sinha (IIT Goa)
Paper 454	MAAD-GAN: Memory-Augmented Attention-based Discriminator GAN for Video Anomaly Detection	Anikeit Sethi (Indian Institute of Technology Indore); Krishanu Saini (Indian Institute of Technology Indore); Rituraj Singh (IIT Indore)*; Aruna Tiwari (IIT Indore); Sumeet Saurav (CSIR-CEERI); Sanjay Singh (CSIR-CEERI, Pilani); Vikas Chauhan (NTUT Taipei)
Paper 367	CNN based Tropical Cyclone Intensity Estimation using Satellite Images around Indian Subcontinent	Parag Jha (National Institute of Technology Karnataka, Surathkal)*; Sumam David (National Institute of Technology Karnataka, Surathkal); Deepu Vijayasenan (National Institute of Technology Karnataka, Surathkal)
Session ID	S7-B	
Date and Time	2:00 PM - 3:45 PM	
Venue	B(CR_208)	
Session Chairs	Dr. Pritee Khanna, Prof. Shaifu	
Paper ID	Paper Title	Author Details
Paper 56	Anomaly Detection in Lung X-ray using Improved Denoising Diffusion Probabilistic Model	Ashray Gupta (IIITM Gwalior)*
Paper 64	Is Grad-CAM Explainable in Medical Images?	Subhashis Suara (XIM University); Aayush Jha (XIM University, Bhubaneswar); Pratik Sinha (XIM University); Arif Ahmed Sekh (XIM University, Bhubaneswar)*
Paper 74	A Simplified 3D Ultrasound Freehand Imaging Framework Using 1D Linear Probe and Low-Cost Mechanical Track	Antony Jerald (Indian Institute of Technology Palakkad); Madhavanunni A N (Indian Institute of Technology Palakkad); Gayathri Malamal (Indian Institute of Technology Palakkad); PISHARODY HARIKRISHNAN GOPALAKRISHNAN (INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD); Mahesh Raveendranatha Panicker (Indian Institute of Technology Palakkad)*

Paper 295	A Lightweight UNet with Inverted Residual Blocks for Diabetic Retinopathy Lesion Segmentation	Amit Bhati (PDPM Indian Institute of Information Technology Design & Manufacturing, Jabalpur); Samir Jain (IIITDMJ); Neha Gour (Khalifa University); Pritee Khanna (Indian Institute of Information Technology Design and Manufacturing Jabalpur)*; Aparajita Ojha (Indian Institute of Information Technology, Design and Manufacturing, Jabalpur); Naoufel Werghi (Khalifa University of Science and Technology)
Paper 447	Fusion of hand-crafted features and deep features to detect COVID-19 detection	koushik Gunda (educational Institute)*; Soumendu Chakraborty (Indian Institute of Information Technology Lucknow); Dubravko Culibrk (University of Novi Sad/Cinteraction)
Paper 461	Identifying and Optimizing the Observation Strategy to Detect NEOs (Near Earth Objects) Using Python	Prajwal Thakare (COEP Technological University)*
Paper 463	AG-PDCnet: An Attention Guided Parkinson's Disease Classification Network with MRI, DTI and Clinical Assessment Data	SUSHANTA KUMAR SAHU (JADAVPUR UNIVERSITY); Ananda S Chowdhury (Jadavpur University)*
Session ID	S7-C	
Date and Time	2:00 PM - 3:45 PM	
Venue	C(CR- 210)	
Session Chairs	Dr. Badri Subudhi , Dr. Yamuna	
Paper ID	Paper Title	Author Details
Paper 78	A Deep Learning Approach to Enhance Semantic Segmentation of Bacteria and Pus Cells from Microscopic Urine Smear Images using Synthetic Data	Vidyashree R Kanabur (National Institute of Technology Karnataka)*; Deepu Vijayasenani (National Institute of Technology Karnataka, Surathkal); Sumam David S. (National Institute of Technology Karnataka); Sreejith Govindan (Manipal Academy of Higher Education, Manipal, Karnataka)
Paper 201	Cartilage Segmentation from MRI Images Towards Prediction of Osteoarthritis	Puja Das (Tripura University); Rabin Bhaumik (Tripura University); Sourav Dey Roy (Tripura University (A Central University)); Satyabrata Nath (Agartala Government Medical College (AGMC) and Gobind Ballav Pant (GBP) Hospital); Mrinal Kanti Bhowmik (Tripura University)*
Paper 104	Feature Selection based Machine Learning model for Malware Detection	lubna javaid (shri mata vaishno devi university)*
Paper 415	Hierarchical CNN and Ensemble Learning for Efficient Eye-Gaze Detection	KARTHIK KUMAR G R (Indian Institute of Technology, Kanpur)*; Tushar Sandhan (Indian Institute of Technology Kanpur)
Paper 452	Analyzing the impact of Instagram filters on facial expression recognition algorithms	Jayshree Ms Gupta (CEERI); Sumeet Saurav (CSIR-CEERI)*; Sanjay Singh (CSIR-CEERI, Pilani)
Paper 443	Damage Segmentation and Restoration of Ancient Wall Paintings for Preserving Cultural Heritage	Hardaat Singh Baath (BITS Pilani); Soham Shinde (BITS Pilani); Jinam Bhavesh Keniya (Birla Institute of Technology and Science); Priyanshu Ranjan Mishra (Birla Institute of Technology and Science, Hyderabad Campus); Anil Saini (CSIR-CEERI, Pilani); Dhiraj Sangwan (CSIR-CEERI, Pilani)*