



2nd International Conference on
**Innovations in Computational Intelligence and Computer
Vision (ICICV-2021)**
Aug 05-06, 2021

Day 1: Aug 05, 2021 (Thursday) Session 1: 15:15 – 16:45 hrs. (IST)			
Data & Algorithms			
PID	Authors	Paper Title	Joining Link
72	Jaztine Abanes, Mary Joy Collarin, Kathleen Manlangit, Kem Irish Mercado, Nickcel Jirro Natanauan and Arman Bernard Santos	Least Mean Square Algorithm for Identifying High Risk Areas Vulnerable to Man-Made Disasters: A Philippine Perspective	Will be intimated soon
93	Sudhansu Lenka, Sukant Bisoy, Rojalina Priyadarshini, Biswaranjan Nayak and Rabindra Barik	Representative based cluster undersampling technique for imbalanced credit scoring datasets	
172	Sharanya Venkat, Richa Na, Gaurang Rao and Bhaskarjyoti Das	LIARx: A Partial Fact Fake News Dataset With Label Distribution Approach For Fake News Detection	
203	Megha Agarwal, Amit Singhal, Monika Patial and Brejesh Lall	Prediction of COVID-19 cases and attribution to various factors across different geographical regions	
231	Nishant Juneja, Ramnita Sharda, Harleen Kaur and Rakesh Kumar Sharma	Impact on Mental Health of Youth in Punjab State of India amid Covid-19 - A Survey Based Analysis	
334	Kishore Ganesh, Sunita Singhal and Hemlata Goyal	Combining Statistical and Semantic approaches for Effective Information Retrieval	



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Day 1: Aug 05, 2021 (Thursday) Session 2: 15:15 – 16:45 hrs. (IST)			
Image Processing			
PID	Authors	Paper Title	Joining Link
60	Raj Kumar Paul and Saravanan Chandran	Image Compression using Histogram Equalization	Will be intimated soon
126	Preeti Bhatt, Jitendra Nasriwala and Rakesh Savant	Stroke Based Handwritten Gujarati Font Synthesis in Personal Handwriting Style Via Shape Simulation Approach	
171	Prabhu Bevinamarad and M. S. Shirdhonkar	Robust Image Tampering Detection Technique Using KNN Classier	
209	Aayush Kamdar, Vihaan Sharma, Sagar Sonawane and Nikita Patil	Lung Cancer Detection by Classifying CT Scan Images using Gray Level Co-Occurrence Matrix (GLCM) and K-Nearest Neighbours	
280	Somya Jain, Anita Gautam, Arpana Chaudhary, Chetna Soni and Chilka Sharma	Flood Mapping Using Sentinel-1 GRD SAR Images and Google Earth Engine: Case Study of Odisha State, India	
293	Nirmala Murali and Shanthi A.P.	Remote Sensing Image Captioning via Multilevel Attention based Visual Question Answering	
327	Suraj Dhalwar, Hansa Meghwani and Sachin Salgar	Image Processing based Roadside Traffic Convex Mirror Validation for Driver Assistance System	



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Day 1: Aug 05, 2021 (Thursday) Session 3: 15:15 – 16:45 hrs. (IST)			
Deep Learning			
PID	Authors	Paper Title	Joining Link
214	Vernika Sapra, Rohan Gupta, Parikshit Sharma, Rashika Grover and Urvashi Sapra	EYE4U-Multifold Protection Monitor	Will be intimated soon
251	Joel Konuparamban, Neha Ann Joshy, Alisha Singh and Rahul Jadhav	SmartACL: Anterior Cruciate Ligament Tear Detection by Analyzing MRI Scans.	
257	Shreyas Talole, Atharva Bapat, Aditya Shinde and Sharmila Sengupta	Building a Neural Network for identification and localisation of diseases from images of Eye Sonography	
272	Dhayalan V and Karuppasamy Sudalaimuthu	Extracting and developing spectral indices for soil using sentinel-2A to investigate the association of soil NPK	
294	Rushabh Mehrotra, Ashwin Selvarangan, Atharva Ambre and Sumeet Thakur	Auto Target Moving Object with Spy BOT	
312	Sandip Shinde, Jatan Loya, Shreya Lunkad, Harsh Pandey, Manas Nagaraj and Khushali Daga	Robust Adversarial Training for Detection of Adversarial Samples	



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Day 1: Aug 05, 2021 (Thursday) Session 4: 15:15 – 16:45 hrs. (IST)			
Advanced Computing			
PID	Authors	Paper Title	Joining Link
185	Ali Kadhum Idrees, Duaa Abd Alhussein and Hassan Harb	Energy-efficient Adaptive Sensing technique for Smart Healthcare in Connected Healthcare Systems	Will be intimated soon
261	Bhagya Lakshmi N, Nagaraju Devarakonda, Zdzislaw Polkowski and Anusha Papasani	A Quick Dynamic Attribute Subset Method for High-Dimensional Data Using Correlation-Guided Cluster analysis and Genetic Algorithm	
270	Raghav Parouha and Pooja Verma	Engineering design optimization using memorized differential evolution	
332	Sakshi Vats, Abhishek Sengupta, Ankur Chaurasia and Priyanka Narad	Combination of expression data & predictive modelling for Polycystic Ovary Disease and assessing risk of infertility using Machine Learning Techniques	
335	Namrata Thorve and Dr. Mansi Subhedar	Dematerializing Vehicle Documents using IoT-Effective Solution using Existing Infrastructure	
362	Sherin Babu and Binu Thomas	Modeling daily pan evaporation using tree based regression methods	



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Day 1: Aug 05, 2021 (Thursday) Session 5: 15:15 – 16:45 hrs. (IST)			
Artificial Intelligence			
PID	Authors	Paper Title	Joining Link
37	Harshad Varma Sagi and Sree Harsha Venkata Yanamandra	Political Polarity classification using NLP	Will be intimated soon
71	Carmella Denise Adeza, Crishmel Bemar Manarin, Jerry Jr. Polinar, Paolo Jyme Cabrera and Arman Bernard Santos	Performance Analysis of Gradient Descent and Back Propagation Algorithms in Classifying Areas Under Community Quarantine in the Philippines	
204	Malavikka Rajmohan, Rohan Kamath, Akanksha P. Reddy and Bhaskarjyoti Das	Emotion Enhanced Domain Adaptation for Propaganda Detection in Indian Social Media	
210	Kruthika K, Pooja Kumari, Dr.Rajarajeswari S, Manasa Keshavamurthy and Naveen Mathews Renji	Real-Time Translation of ISI to Assist the Hearing and Speech Impaired	
222	Amay Jain, Ankur Gupta, Diksha Choudhary and Nayan Kumar	A Comprehensive Source Code Plagiarism Detection Software	
309	Hariharan R	Power System restoration at short period of time during Blackout by Plugin in Hybrid Electric Vehicle using Artificial Intelligence	



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Day 2: Aug 06, 2021 (Friday) Session 6: 11:45 – 13:15 hrs. (IST)			
Deep Learning			
PID	Authors	Paper Title	Joining Link
314	Deepika Bansal, Kavita Khanna, Rita Chhikara, Rakesh Kumar Dua and Rajeev Malhotra	Performance Evaluation of Shallow and Deep Neural Networks for Dementia Detection	Will be intimated soon
330	Maria Achary and Siby Abraham	Feature Extraction Using Autoencoders: A Case Study with Parkinson's disease	
337	Taniya Thawani, Sourav Kunal and Parth Gandhi	Building NTH: Network Threat Hunter with Deep Learning	
341	Vijaybhaskar Kanchipamu, Bhavani Pappu and Tejasri Javvadi	Future Cases Prediction of Covid-19 Using Deep Learning Models	
344	Priya Rani, Shallu Kotwal and Jatinder Manhas	An intelligent species level Deep learning based framework in automatic classification of microscopic bacteria images.	
363	Apoorva Parashar, Anubha Parashar and Vidyadhar Aski	Optimized Pose-Based Gait Analysis for Surveillance	



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Day 2: Aug 06, 2021 (Friday) Session 7: 11:45 – 13:15 hrs. (IST)			
Advanced Computing			
PID	Authors	Paper Title	Joining Link
31	Gyanendra Kumar and Parul Tomar	An Experimental Study of Concurrent Multipath Transmission Protocol in Lossy and Asymmetric Network Environment	Will be intimated soon
80	Aarthi R and Sivakumar D	Dynamic Tuning of Fuzzy Membership Function for an Application of Soil Nutrient Recommendation	
167	Poonam Panwar, Chetna Kaushal, Anshu Singla and Vikas Rattan	Load Balancing in Multiprocessor Systems using Modified Real Coded Genetic Algorithm	
175	Aryan Chouhan, Aayush Halgekar, Ashish Rao, Dhruvi Khankhoje and Meera Narvekar	Sentiment Analysis of Twitch.tv Livestream Messages using Machine Learning Methods	
230	Himanshu, Arindam Singha, Akash Kumar and Anjan Kumar Ray	Path Planning of Mobile Robot using Adaptive Particle Swarm Optimization	
268	Ganga S Nair, Gitanjali Nambiar C, Nayana Rajith, Krishna Nanda and Jyothisha J Nair	Copy-Move Forgery Detection using BEBLID features and DCT	



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Day 2: Aug 06, 2021 (Friday) Session 8: 11:45 – 13:15 hrs. (IST)			
Deep Learning			
PID	Authors	Paper Title	Joining Link
56	Siddhant Baldota, Malathy C, Arjun Chaudhary and Gayathri M.	Robust Segmentation of Nodules in Ultrasound-B Thyroid Images through Deep Model based Features	Will be intimated soon
61	Joel Selvaraj and Anuradha J	Violence Detection in Video Footages using I3D ConvNet	
77	Prasanth Vaidya and Ramanjaneyulu Y	Finding Numbers of Occurrences and Duration of a Particular Face in Video Stream	
104	Rashmi Chaudhary and Tarun Kumar	Automatic Road network extraction from high-resolution images using Fast Fuzzy C-Means	
106	S Uma Maheswari and Dr S.S.Dhenakaran	Analysis of Approaches for Irony Detection In Tweets for online Products	
271	Shuvro Pal and Gm Atiqur Rahaman	Image Forgery Detection Using CNN and Local Binary Pattern Based Patch Descriptor	



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Day 2: Aug 06, 2021 (Friday) Session 9: 11:45 – 13:15 hrs. (IST)			
Deep Learning			
PID	Authors	Paper Title	Joining Link
108	Santhi N, Annbuselvi K and Sivakumar S	An Efficient Gabor Scale Average (GSA) based PCA to LDA Feature Extraction of Face and Gait Cues for Multimodal Classifier	Will be intimated soon
162	Sujata Khedkar, Advait Naik, Omkar Mane, Aditya Gurnani and Krish Amesur	KIDSVIEW - A Parents Companion	
163	Jyoti Pandey, Abhijit Asati and Meetha Shenoy	Computational Operations and Hardware Resource Estimation in a Convolutional Neural Network Architecture	
176	Sabeen Govind P V and Judy M V	A Block Based Data Hiding Technique Using Convolutional Neural Network	
186	Karan K V, Vedant Bahel, Ranjana R and Subha T	Transfer learning approach for analyzing attentiveness of students in an online classroom environment with emotion detection	
207	Anishi Gupta	Target Identification and Detection on SAR Imagery Using Deep Convolution Network	