MANIPAL INSTITUTE OF TECHNOLOGY
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International Conference on Recent Advances in Information Technology for Sustainable Development (ICRAIS 2024)
November 06 - 07, 2024
Department of Information and Communication Technology, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal

Session Schedule

Session 1: Online and Offline 6/11/2024 11:30 AM to 1:00 PM (Venue: Sir M V Seminar Hall) Track: Information Security / Networking and Communication				
249	IS	Asmita Poojari	Design And Implementation of Light Weight Cryptography Using SPARTAN-6 FPGA	Online
301	IS	Anmol Rattan Singh	Guardians Of the Reactor: Machine Learning Protection for Nuclear Plant Sensors	Online
142	IS	Anvitha Shetty	Comprehensive URL Classification System Using Machine Learning	**Offline**
303	IS	Shhreyas Kairoli	Video Anomaly Detection	**Offline**
393	IS	Abhigyan Chakraborty	Penetration Testing IoT Devices to Discover Critical Vulnerabilities	**Offline**
52	NC	Venkateswara Rao Kolli	Turbo Decoding Performance Analysis for EEG Signal Processing in Telemedicine Applications: A Comparative Study In 5g Networks	Online

Session 2 **Online** 6/11/2024 11:30 AM to 1:00 PM Track: Soft Computing		
365	Rahul Bhandari	Hybrid Machine Learning Model for Predicting Damage Scale in Sunflower Leaves Affected by Aster Yellow Disease
396	Likhil Sukumaran	Segmenting Indian Alcohol Consumers: Analyzing Sustainable Trends Using K-Means Clustering
399	Margaret Mary T	Feature Extraction of Drug -Target Interactions Usingmodified Transformer Binding Phase
400	K. Prakash	A Road Map for Age and Gender Classification Using EI-Methods
406	Narendran Rajagopalan	Pulmonary Prognosis: Predictive Analytics for Lung Cancer Detection
407	Veera Harish Muthazhagu	Deep Learning-Based Osteoarthritis Severity Classification from Radiographic Images (X-Ray)

		Session3: Online and Offline 6/11/2024 3:15 to 5:00 PM (Venue: Sir MV Seminar Hall) Track: Networking and Communication	
57	Indira Bahaddur	Machine Learning-Based Channel Estimation for EEG Signal Transmission In MIMO-OFDM System	Online
178	Kamilah Bhanu	Impact of E-HRM in the Organization Growth of Information Technology Sector	Online
196	Yogesh S Naik	On-Chip Network Optimization Using U-Mesh Algorithm	Online
336	R. Vijayakumar	Impact of Green Marketing Communication on Consumer Behavior	Online
401	Leelavathi R	Articulation Node Based Mobile Node Routing Protocol in A Hybrid IoT Network	Online
175	Varun V	Efficient CNN-Based Bone Fracture Detection in X-Ray Radiographs with MobilenetV2	**Offline**

		Session 4: Online 6/11/2024 3:15 to 5:00 PM Track: Soft Computing
36	A. Prasanth	Design of Cost-Effective Automated CPAP with LABVIEW for Sleep Apnea Patient
110	Pruthvi Darshan S S	Enhancing Surgical Training through Immersive Simulation and Visualization of the Da Vinci Research Kit (DVRK) Surgical System Using ROS2 And RVIZ
156	Vempati Sai Karthik	Comparative Analysis of Hyperspectral Imaging with Machine Learning: Assessment of Crop Health and Honey Quality
168	Vinodini S	Enhancing Literary Analysis through Artificial Intelligence and Machine Learning: Insights from 'The Alchemist'
211	Vivek Patil	Cognitive Chromatic Image Synthesis Using UNET And GAN
355	Neruturi Arthi Sri	Object Detection in Shelf Image of the Retail Store Using Single Stage Detector

		Session 5: **Offline** 7/11/2024 10:45 AM to 12:30 PM (Sir M V Seminar Hall) Track: Soft Computing	
130	Akshat Garg	Performance Analysis of Deep Neural Networks and YoloV8n Algorithm in Early Detection of Skin Cancer
183	Jayapadmini Kanchan	Deep Learning Model for Detecting the Presence of Neurological Conditions In MRI And CT Scans
239	Sadhvi Gurudatha	Robust Machine Learning Methods for Prediction f Childhood Anemia - A Case of the Empowered Action Group States of India
343	Anoushka Duggal	An Empirical Investigation into Machine Learning Approaches for Breast Cancer Classification
392	Roopitha C H	Integration of Preprocessing Techniques and Artificial Intelligence for Accurate Inferior Alveolar Nerve Segmentation in Cone Beam Computed Tomography

		Session 6: **Online** 7/11/2024 10:45 AM to 12:30 PM Track: Soft Computing	
185	Vignesh R	Cognitive Disorder Detection in Adolescents Using Mental Health Data
187	Muralidhar Kurni	Modified Convolutional Neural Network with Multiple Features for Multimodal Sarcasm Detection
194	C A Payani	Spectral Indices Based Land Cover Classification Using Deep Learning
199	Sree Vishnu Varthini S	Predictive Correlation Frameworks for Optimized CPU Sensing and System Call Coordination
241	Glanet Jeshma Castelino	Explainable Deep Learning for Dermatology: Psoriasis Vs. Eczema with Grad-Cam
382	Vikrant Aadiwal	Face Recognition Using K-Nearest Neighbors (KNN) Classifier in Machine Learning

		Session 7: **Online** 7/11/2024 1:30 PM to 3:00 PM Track: Soft Computing
91	Shilpa Karegoudra	Deep Learning Approaches for Detecting and Predicting Knee Osteoarthritis Severity
96	Mr. Pavan	Classification of Jackfruit Species Using Deep Learning Model
173	Ranjani	Multilingual Mysteries: The Art of Automated Language Identification
238	Nagaraja Hebbar N	A Real-Time Multi- Crops Classification Using Deep Learning Method for Pesticide Spraying in Sustainable Agriculture
334	Roshni Abhisika	Orthopedic Disease Diagnosis Via Machine Learning: Comparative Analysis Using Biomechanical Features for Hernia, Spondylitis, And Normal Conditions
352	Priya Mittal	Detection of Human Skin Burn Using Abnet Model

		Session 8 : **Online** 7/11/2024 1:30 PM to 3:00 PM Track: Distributed Computing
87	Grynal D'mello	Novel Emission Testing Device Using IoT and Cloud Application
260	Sanchit Vashisht	Virtual Wardrobe: Enhancing Consumer Engagement Through Augmented Reality
263	Sanchit Vashisht	Enhancing Learning Experiences through Augmented Reality and Virtual Reality in Classrooms
321	Sandeep Kumar Hegde	An Efficient and Transparent Financial Transaction System Using Decentralized Finance (DEFI) Based on Blockchain Technology
402	Anusha N.	Deepfake Detection Using Deep Learning: A Two- Pronged Approach with CNNs And Autoencoders.

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