



St. Francis Institute of Technology
4th International Conference on Communication Systems, Computing and IT Applications 2023
(CSCITA 23)
31st March – 1st April 2023
Conference Program Session wise

Technical Session 1.1

Date: 31st March 2023		Venue: Room No. 105		Time: 11:45 a.m. – 01:00 p.m.	
Paper ID		Paper Title			
40		Efficient Detection of Small and Complex Objects for Autonomous Driving Using Deep Learning			
88		Efficient Video Anomaly Detection using Residual Variational Autoencoder			
23		Ava: A Photorealistic AI Bot for Human-Like Interaction and Extended Reality			
150		GuitarGuru: A Realtime Guitar Chords Detection System			

Technical Session 1.2

Date: 31st March 2023		Venue: Room No. 114		Time: 11:45 a.m. – 01:00 p.m.	
Paper ID		Paper Title			
14		Advanced Irrigation and Cultivation System Based on Machine Learning in IOT Environment			
19		Effect of On-Air Time on the Performance of Low Range Wide Area Network (LoRaWAN)			
27		Design of Corner Truncated Square Microstrip Antenna for Circular Polarized Response in Global Positioning System L5 Band Application			
110		Evaluation of illumination and received power for realistic LED layout for indoor VLC			

Technical Session 1.3

Date: 31st March 2023		Venue: Room No. 318		Time: 11:45 a.m. – 01:00 p.m.	
Paper ID		Paper Title			
38		Energy Efficient Node Re-positioning Algorithm for Uniform node Distribution in Wireless Sensor Networks			
91		An Effective Technique for Single Image Haze Removal using MSMO			
68		CNN Based Image Descriptor for Polycystic Ovarian Morphology from Transvaginal Ultrasound			
136		Character Segmentation of Devnagari Script in Printed Document Images using Projection Profiles			



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Technical Session 1.4

Date: 31st March 2023		Venue: Room No. 105		Time: 03:00 p.m. – 05:00 p.m.	
Paper ID		Paper Title			
81		Reliability Stripe Coagulation in Two Failure Tolerant Storage Arrays			
26		Deep Learning Based Marathi Sentence Recognition using Devnagari Character Identification			
44		Implementation of Exploratory Data Analysis on Weather Data			
117		Vaccine Supply Chain Authentication using Blockchain			
168		BeRedy (Period Tracker & PCOS Diagnosis)			

Technical Session 1.5

Date: 31st March 2023		Venue: Room No. 114		Time: 03:00 p.m. – 05:00 p.m.	
Paper ID		Paper Title			
99		Recognition of Emotions Based on Facial Expressions Using Bidirectional Long-Short-Term Memory and Machine Learning Techniques			
108		NeuralBee - A Beehive Health Monitoring System			
160		Vehicle Damage Analysis Using Computer Vision: Survey			
163		Logo Detection Using Machine Learning Algorithm : A Survey			
70		Smart Living Solution to Optimize Building Systems for Efficient Energy Usage and Prediction			

Technical Session 2.1

Date: 1st April 2023		Venue: Room No. 105		Time: 10:30 a.m. – 12:30 p.m.	
Paper ID		Paper Title			
69		Summarization of Video Clips Using Subtitles			
76		Investigative Analysis of Hospital Module In MIMIC-IV Database for Neonatal Patients			
98		Situational Portfolio Forecasting and Allocation with Deep-Learning Approach			
124		Stock Portfolio Health Monitoring System			
152		Algorithm Simulator			



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Technical Session 2.2

Date: 1st April 2023		Venue: Room No. 114	Time: 10:30 a.m. – 12:30 p.m.
Paper ID	Paper Title		
04	Shared Rainwater Harvesting System Using Google Map API And Edge Detection		
90	WEB-3 Music Player on Block-chain		
106	P2P Negotiation Framework for trading Carbon Credits		
130	Audio Source Separation using Wave-U-Net with Spectral Loss		
153	Computer Vision for Industrial Safety and Productivity		

Technical Session 2.3

Date: 1st April 2023		Venue: Room No. 318	Time: 10:30 a.m. – 12:30 p.m.
Paper ID	Paper Title		
35	Design and Development of Smart Waste Management System		
50	Deep Learning Model for Simulating Self Driving Car		
78	A Machine Learning Perspective in an Effective Monitoring of Thermal Performance of Transformer		
84	Securing VANET communication using Block Chain: A Review		
101	IoE-Based Predictive Oxygen Inventory Management		
151	Design and Development of Solar Powered Phase Shifted Full Bridge Converter for EV Charger		



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Technical Session 2.4

Date: 1 st April 2023		Venue: Room No. 618		Time: 10:30 a.m. – 12:30 p.m.	
Paper ID		Paper Title			
104		Survey on Visual Speech Recognition using Deep Learning Techniques			
157		Complementary Product Recommendation using Siamese Neural Network			
158		dExCount: A decentralized cross-chain discount web app for Token Sale			
116		A Framework for Development of a Virtual Campus Tour			
154		Malicious User Detection using Honeywords			

Dr. Vaishali Jadhav
Convenor, Program Committee

Dr. Ravindra Chaudhari
CSCITA-23 Co-Chair

Dr. Prachi Raut
CSCITA-23 Chair