

TECHNICAL SESSION DETAILS

**EAI 4th INTERNATIONAL CONFERENCE ON COGNITIVE COMPUTING AND CYBER
PHYSICAL SYSTEMS (IC⁴S-2023)**

**Vishnu Institute of Technology Bhimavaram (VITB), Andhra Pradesh, India
August 4-6, 2023**



IC⁴S-2023: Technical Session 1, Day -1

Date & Time (IST)

August 4; 11:45am – 12:45 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335356	Ramani P	Maixdock Based Driver Drowsiness Detection System Using CNN
2.	335332	Bharat Singh	Aspect Level Sentiment Analysis to extract valuable insight for Airline customer Feedback and Reviews
3.	335845	Hemant Kumar Gupta	Implementation and Performance Evaluation of Asymmetrical Encryption scheme for Lossless Compressed Grayscale Images
4.	335078	Ramanpreet Kaur	DRL based multi-objective resource optimization technique in a multi-cloud environment

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 2, Day -1

Date & Time (IST)

August 4; 11:45 am – 12:45 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	334978	Anju Augustin	IoT-based pesticide detection in fruits and vegetables using Hyperspectral Imaging and deep learning
2.	335166	N. Padmavathy	A Web-Based Vaccine Distribution System for Covid-19 using Vaxallot
3.	334930	Gowripushpa Geddam	Face Emotion Recognition based on images using the Haar-Cascade front end approach
4.	334966	Madhumita Mishra	A Novel Approach to Visualize Arrhythmia Classification Using 1D CNN

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 3, Day -1

Date & Time (IST)

August 4; 2:30 pm – 3:30 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335333	G K Mohan Devarakonda	Modelling the Data Object Routing in Data Aware Networking
2.	335287	Ahsan Kabir Nuhel	Model Predictive Controller (MPC) and Proportional Integral Derivative Control (PID) for Autonomous Lane Keeping Maneuvers: A Comparative Study of Their Efficacy and Stability
3.	335100	Sadhana Kumari	Design and Parametric Study of Monopole Blade Antenna for UHF-Band Aerospace Applications
4.	335594	Abhinav Dayal	Unraveling the Techniques for Speaker Diarization
5.	335342	B V V Satyanarayana	Area Efficient and Ultra Low Power Full Adder Design based on GDI Technique for Computing Systems

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 4, Day -1

Date & Time (IST)

August 4; 2:30 pm – 3:30 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335430	Subhash Suman	Efficient Quality Factor Prediction of Artificial Neural Network Based IsOWC System
2.	335516	Ravula Arun Kumar	A novel technique for analyzing the sentiment of social media posts using deep learning techniques
3.	335502	K Santhi	The survival analysis of mental fatigue utilizing the estimator of Kaplan-Meier and Nelson-Aalen
4.	335311	Ajay Kumar Kushwaha	Use of Generative Adversarial Network (GAN) under insufficient data
5.	335479	Kiran Sree Pokkuluri	Drug Recommendations Using A Reviews And Sentiment Analysis By RNN

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 5, Day -1

Date & Time(IST)

August 4; 3:40 pm – 4:30 pm

Venue/Mode

VITB/Offline

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335668	G Prasanna Kumar	Schizophrenia Identification through Deep Learning on Spectrogram Images
2.	335604	Prudhvi Raj Budumuru	Brain Tumor Classification through MR Imaging: A Comparative Analysis
3.	335481	Kandula Narasimharao	Optimizing Real Estate Prediction - A Comparative Analysis of Ensemble and Regression Models
4.	335680	Chilukuri Venkateswara Rao	Transmission Losses Due to Surface Reflections in Deep Water for Multipath Model

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 6, Day -1

Date & Time (IST)

August 4; 3:40 pm -5:00 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335388	Ankita Kumari	Performance Analysis of Hybrid BPSK-MPPM Modulated Multicore Fiber Interconnect System
2.	335425	Mamatha Deenakonda	Comparative Analysis of PWM methods for Three Level Neutral Point Clamped Inverter
3.	335420	Asapu Siva	Single-phase Grid and Solar PV Integration with 15-level asymmetrical multilevel inverter
4.	335373	Vijetha Inti	IOT-Based Hi-Tech Battery Charger for Modern EVs
5.	335380	Rajesh Yamparala	Lightweight Cryptography Model For Overhead And Delay Reduction In The Network
6.	335371	Mareddy Anusha	Development of Cost-Effective Water Quality Monitoring for Potable Drinking Water using IoT

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 7, Day -2

Date & Time (IST)

August 5; 9:30am -11:00am

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335705	B Ch S N L S Sai Baba	Medical Plants Identification using Leaves Based on Convolutional Neural Networks
2.	335706	Nishu Gupta	Optimal Time Splitting in Wireless Energy Harvesting-Enabled Sensor Networks
3.	335793	Indrajeet Kumar	Efficient Fuel Delivery at Your Fingertips: Developing a Seamless On-Demand Fuel Delivery App with Flutter
4.	335728	Abhishek Pahuja	Turnstile Diamond Dipole Nanoantenna based Smart City Compatible Thin Film Solar Cell
5.	335606	Basudev Pradhan	Text Analysis Based Human Resource Productivity Profiling
6.	335605	Srikar Goud Konda	An Efficient Real-time NIDS using Machine-learning methods

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 8, Day -2

Date & Time (IST)

August 5; 9:30am -10:45 am

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335600	Abhinav Dayal	Comparative Analysis of Pretrained Models for Speech Enhancement in Noisy Environments
2.	335593	Sridevi Bonthu	TextRank-based Keyword Extraction for Constructing a Domain-Specific Dictionary
3.	335590	N Durga	Clustering Based Hybrid Optimized Model for effective data transmission
4.	335587	Kothapalli Ramesh Chandra	An Efficient Denoising of Medical Images Through Convolutional Neural Network
5.	335582	Idamakanti Kasireddy	Exploring Machine Learning Models for Solar Energy Output Forecasting

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 9, Day -2

Date & Time (IST)

August 5; 11:30 am -12:45 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335798	Venkata Duga Rao Matta	Single Use Plastic Bottle Recognition And Classification Using Yolo V5 And V8 Architectures
2.	335796	Hameed Khan	Performance evaluation of DSR, AODV and MP-OLSR Routing Protocols using NS-2 Simulator in MANETs
3.	335795	Indrajeet Kumar	Harmonizing Insights: Python-based Data Analysis of Spotify's Musical Tapestry
4.	335806	Rakesh Kumar Nayak	Estimation Of Power Consumption Prediction Of Electricity Using Machine Learning
5.	335711	Maheswara Rao V V R	An Optimized Ensemble Machine Learning Framework for Multi-Class Classification of Date Fruits by Integrating Feature Selection Techniques

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 10, Day -2

Date & Time (IST)

August 5; 11:30 am -12:45 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335867	B V V Satyanarayana	Full Swing Logic Based Full Adder for Low Power Applications
2.	335862	Bharath Bolla	Comparative Study of Predicting Stock Index Using Deep Learning Models
3.	335859	Naveen Mishra	Optimized Route Planning and Precise Circle Detection in Unmanned Aerial Vehicle with Machine Learning
4.	335837	CH V V S Srinivas	Smart IV Bag Monitoring System for Effective Monitoring of Patients
5.	335223	Ajay Kumar Kushwaha	Speaker Recognition using Convolutional Autoencoder in Mismatch Condition with Small Dataset in noisy background

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 11, Day -2

Date & Time (IST)

August 5; 2:00 pm -3:00 pm

Venue/Mode

VITB/Offline

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335331	N Padmavathy	Performance Evaluation of Multicast Routing Protocols in Mobile Ad Hoc Networks
2.	335676	B Kanaka Srilakshmi	LUT-Based Area-Optimized Accurate Multiplier Design for signal processing applications
3.	335634	Chilukuri Venkateswara Rao	Comparison of Acoustic Channel Characteristics for Direct and Multipath Models in Shallow and Deep Water
4.	335787	Srinivas Yallapu	A Chest X-Ray Image Based Model for Classification and Detection of Diseases

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 12, Day -3

Date & Time (IST)

August 5; 2:00 pm -3:15 pm

Venue/Mode

VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335556	Karunasri Adina	Creating a Protected Virtual Learning Space: A Comprehensive Strategy for Security and User Experience in Online Education
2.	335870	Pragaspathy Subramani	Performance Evaluation of Off Grid Hybrid Distribution system with ANFIS controller
3.	335874	JNSS Janardhana Naidu	Enhancing Heart Disease Prediction through a Heterogeneous Ensemble DL Models
4.	335607	Suresh Reddy Mekapati	A Review on Controlling charging process and discharging of Electric Vehicles in the Distribution Grid
5.	335692	Ajay Kumar Kushwaha	Enlighten GAN for super resolution images from surveilliance car

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC⁴S-2023: Technical Session 13, Day -2

Date & Time (IST)	August 5; 3:30 pm -4:45 pm
Venue/Mode	VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335707	Prakash Pareek	Tunable UWB Metasurface Absorber for Smart City Compatible IoT Applications
2.	335679	Chilukuri Venkateswara Rao	Analysis of Acoustic Channel Characteristics in Shallow Water Based on Multipath Model
3.	335550	Sugumaran S	Performance Evaluation of Optical Links: With and Without Forward Error Correcting Codes
4.	335721	Vipul Agarwal	Automatic Safety and Monitoring System using ESP8266 with cloud platform
5.	335791	Indrajeet Kumar	An IoT application based Decentralized Electronic Voting System Using Blockchain

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India



IC ⁴ S-2023: Technical Session 14, Day -2	
Date & Time (IST)	August 5; 3:30 pm -5:00 pm
Venue/Mode	VITB/Google meet

S. No.	Paper Id	Corresponding Author/Presenter	Paper Title
1.	335755	Nimmala Harathi	Investigation of Highly Sensitive and Linearly Responsive SAW based Gas Sensor for Better N2 Detection
2.	335788	Aparna Parasa	NeuroRobo: Bridging the Emotional Gap in Human-Robot Interaction with Facial Sentiment Analysis, Object Detection, and Behavior Prediction
3.	335875	Shankar Deva	Glaucoma Stage Classification using Image empirical mode decomposition (IEMD) and Deep Learning from Fundus Images
4.	335816	B Elisha Raju	Optimization of Single Image Dehazing based on Stationary Wavelet Transform
5.	335786	Chilukuri Venkateswara Rao	Equalization Based Soft Output Data Detection for Massive MU-MIMO-OFDM Using Coordinate Descent
6.	335956	Venkata Naga Rani Bandaru	EEMS - Examining The Environment Of The Job Metaverse Scheduling For Data Security

EAI IC⁴S, August 4-6, 2023

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India