

ICNSoC-2025 (Hybrid Mode)

Technical Papers Presentation Detailed schedule 12- 14 June 2025

Day-1 [12-6-2025] Session-1

Link: https://us02web.zoom.us/j/85827029411?pwd=FHKVntd0C6wCiLbkzjQuvOUURQ2ePu.1 Meeting ID: 858 2702 9411 Pass Code: 217916			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
58	Enhancing PCOS Detection in Ultrasound Imaging with YOLO v12 and XAI Techniques	Sagar Dhanraj Pande	Dr B Suvarna 70931 71146
93	Proactive Shield Against AI-Generated Social Manipulation: The Sentinel Framework	Purushotham Vadde	
137	Optimizing Content Marketing Strategies with Reinforcement Learning: An A/B Testing Approach	Montader M. Hasan	
158	Developing Virtual Reality-Based Therapy Tools for Mental Health Treatments Using Deep Reinforcement Learning	Pasumary Gopala Krishna	
293	Analyzing User Perceptions of Trust in Financial Systems Using Explainable AI	Sai Srinivas Vellela	
303	Zero-Shot Detection of Unseen Classes Using Deformable DETR: A Transformer-Driven Framework	Sekar K	
712	Explainable AI for Obstructive Sleep Apnea Detection Using ECG-Derived Spectrogram and Interpretable Deep Learning	Banudevapuram Sai Spandana	

Day-1 [12-6-2025] Session-2

Link: https://us02web.zoom.us/j/84354236146?pwd=dP8oR0EqURsNKDvQkw44t1h5fPyj4b.1 Meeting ID: 843 5423 6146 Pass Code: 951669			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
294	An In-Depth Study on the Integration of Explainable Ai Techniques to Enhance Interpretability in Clinical Risk Prediction Models	Sai Srinivas Vellela	Dr R Pratap Kumar 75698 88963
320	Developing Delay Tolerant Network Protocols Using Bio-Inspired Optimization Algorithms	Yedida Prasanna	
332	Power consumption minimization in FSM with optimal state encoding using Whale optimization algorithm.	Manju K S	
437	Hybrid-CNN Classifier for Fake News Detection: A Multimodal Defense Against Digital Misinformation	Sekar K	
512	Reliable Deep Reinforcement Learning approach for resource scheduling in cloud computing	Ramesh Methuku	
647	Enhancing Lung Cancer Histopathology Classification with GAN-Based Data Augmentation and Explainable AI	Aditya Soni	
238	Security-Integrated XAI Framework for Banking Customer Behavior Prediction	Paritosh Kumar Yadav	

Day-1 [12-6-2025] Session-3

Link: https://us02web.zoom.us/j/82414974995?pwd=37TNhIefT99XHcZlIHpLv31VGYJtvA.1 Meeting ID: 824 1497 4995 Pass Code: 642269			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
46	Envirotech: Revolutionizing Waste Management with Iot-Driven Automated Segregation and Alerts	Roshini Rs	Dr M Manoj Kumar 9985578967
98	A computational intelligence framework for fault tolerant IOT Federated Learning System	Tejinder Kaur	
162	Design and Optimization of Embedded Systems for Smart Agriculture IoT Solutions	P.E.Satyanarayana	
163	IoT Based Embedded Systems for Healthcare Monitoring	T.Sviswanadham	
193	A Blockchain-Based Framework for Municipal Waste Management in Smart Cities	Anuja Jirapure	
290	Cognitive Fuzzy Logic Algorithms for Advanced Spectrum Management in 5G Networks	S.B.Prakalya	
292	Secure Multi-Agent Reinforcement Learning for Traffic Flow Optimization in Smart Transportation Networks	Sudhanshu Maurya	

Day-1 [12-6-2025] Session-4

Link: https://us02web.zoom.us/j/84790079024?pwd=CaywbglXtvHXlbyvFSpH3Ku0N7PIYb.1 Meeting ID: 847 9007 9024 Pass Code: 593312			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
319	Deep Reinforcement Learning for Optimized Energy Harvesting in Wireless Sensor Networks	Asheesh Kharya	Dr G Veera Bhadra Chary 8978975688
546	Minimization of Energy Expenditure in Wireless Sensor Networks Using Crayfish Optimization Algorithm	Akriti Jha	
554	Secure IoT Architecture Using Graph Neural Networks and Dynamic Trust Models to Combat Sybil Attacks	K. Prathapchandran	
583	Optimized YOLOv8 based Wildfire detection using Satellite images	E.P. Ephzibah	
620	Review Paper on Multiple-Input-Multiple-Output Designing on Patch Antenna for Sub-6 GHz for 5G Applications	Boddapati Naga Prasanna	
677	Design of Microstrip Patch Antenna with Various Soft Computing Techniques for 5G Applications.	Neerati Ankitha	
318	Trust Mechanisms for IoT Ecosystems Using Blockchain-Based Decentralized Systems	Guttumukkala Prashanthi	

Day-1 [12-6-2025] Session-5

Link: https://us02web.zoom.us/j/87591172919?pwd=DEjyfhWX4CHtkDkUvayZz8JQ307aay.1 Meeting ID: 875 9117 2919 Pass Code: 828662			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
8	Deep Learning-Driven Cancelable Biometrics: Enhanced Hybrid Models for Palmprint Authentication	Shakti Mehta	Dr J Vijitha Ananthi 9790628946
72	Enhancing Trust and Security in FINTECH with a Unified Integrity and Trust Framework	Avinash Singh	
160	AI-Powered Intrusion Detection Systems for Cloud Networks	Iddum Swathi	
161	Cybersecurity Challenges in Quantum Computing: A Future Perspective	GBSR Naidu	
212	Enhancing the Management of Fisheries and Quotas Using Customized Blockchain	Atharv Joshi	
267	A Blockchain-Based Framework for Secure and Privacy-Preserving Healthcare Data Sharing	Omar Saad Saleh	
269	Financial Fraud Detection Using AI-Powered Natural Language Processing for Cyber Forensics	N V Ganapathi Raju	
270	Optimizing AI Workflows with Neuromorphic Computing for Secure, Low-Power Cryptographic Applications	Nuvvusetty Rajasekhar	

Day-1 [12-6-2025] Session-6

Link: https://us02web.zoom.us/j/82999976115?pwd=8aE7sZyzfAKEZw3wa9YUOcQ0zK6pEa.1 Meeting ID: 829 9997 6115 Pass Code: 896480			Time: 1.45 PM to 4.00 PM	
Paper ID	Paper Title	Registered Author	Session Coordinator Dr T Phanindra 8096465667	
273	Blockchain Integration for Ensuring Real-Time Data Integrity in Internet of Things Frameworks	Sudeep Kumar Gupta		
287	Management of Agri-Product supply chain cycle using Blockchain Technology	Dipti Khobragade		
291	Intrusion Detection in Cybersecurity Using Generative Adversarial Networks and Deep Learning	Priya Matta		
358	XGBoost-Driven Demand Forecasting for Electric Vehicles Using Blockchain network	B.V.V.L Kala Bharathi		
444	An AI-Assisted Web Vulnerability Scanner for Server-Side Request Forgery and Broken Access Control Detection	Sathya Priya S		
624	Enhancing Cyber-Attack Identification in Blockchain-Powered Industrial Supply Chains: Applying XGBoost	Syed Nizamuddin Khadri		
644	A Full-Stack Ethereum dApp for Real-Time Blockchain Transactions Using React, Solidity, and MetaMask	Pankaj Kunekar		

Day-2 [13-6-2025] Session-1

Link: https://us02web.zoom.us/j/85850862118?pwd=WiWzaiwsNaHW43n1a33vR7dfLFXWj.1 Meeting ID: 858 5086 2118 Pass Code: 8348441			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
15	Plant leaf disease classification and damage detection system using deep learning models	Padamata Ramesh Babu	Dr B Suvarna 70931 71146
16	Image Forgery Detection using Deep Learning	Vanya Jain	
20	Enhanced Human Action Recognition Using DenseNet-GRU Hybrid Architecture with Transfer Learning	S Madhavi	
25	Real-Time Face Recognition with Live Detection: A TPU Accelerated Transfer Learning	S Madhavi	
27	Integrating Stock Prediction with Real-Time Gaming	Kumaran K	
73	Analyzing the Effectiveness of AutoML Tools in Identifying Stroke Risk	Thandava Krishna Sai Pandraju	
79	Leveraging Remote Sensing for Enhanced Financial Risk Management: A Multi-Dimensional Framework for Disaster Resilience and Investment Strategies	Venkat Reddy Annapureddy	
91	Harnessing Ensemble and Deep Learning Synergy for Precise and Interpretable Gestational Diabetes Mellitus Prediction	Kavya Sri Puvvada	

Day-2 [13-6-2025] Session-2

Link: https://us02web.zoom.us/j/87662719025?pwd=wW8q2W19VyuX1yNNW73syjf5kfLNbz.1			Time: 1.45 PM to 4.00 PM
Meeting ID: 876 6271 9025 Pass Code: 734278			
Paper ID	Paper Title	Registered Author	Session Coordinator
95	Enhancing Cognitive Impairment Detection with Fine-Tuned BERT Model	Sri Lakshmi Talasila	Dr R Pratap Kumar 75698 88963
110	Skin Deep Advanced Model for Accurate Skin Disease Diagnosis	Devi K	
135	Multi-Modal Crime Scene Evidence Classification Using Transformer Networks	Mohammed Fallah	
149	A Quantum Enhanced Transformer-Based Gated Capsule Network for Product Review Sentiment Analysis	Christiana Rose Elizabeth.Korrapati	
177	Real-Time Object Recognition in Video Streams Using Transformer-Based Architectures	Ashwin Shenoy M	
179	Transfer Learning Approaches for Identifying Infrequent Neurological Disorders in Clinical Practice	Balajee Maram	
180	Predictive Analytics for Tongue Disease Diagnosis: A Comparative Study of Deep Learning Models	Balajee Maram	
183	Self-Supervised Deep Learning for the Classification of Musculoskeletal Anomalies in MRI Scans	Balajee Maram	

Day-2 [13-6-2025] Session-3

Link: <https://us02web.zoom.us/j/87611419586?pwd=aSMVlm3XS2wRwHBKgir7mbrPRa5RW2.1>

Meeting ID: 876 1141 9586 Pass Code: 61749

Time: 1.45 PM to 4.00 PM

Paper ID	Paper Title	Registered Author	Session Coordinator
188	A Novel Multi-Feature Extraction Approach for Plant Disease Detection Using Transfer Learning and Handcrafted Methods	Naladi Ram Babu	Dr M Manoj Kumar 9985578967
201	AI in Hyper Automation: from RPA to Intelligent Automation Ecosystems	Kiran Babu Macha	
207	Ransomware Attack Detection Using Transformer-Based Model on System Logs and Network Traffic Data	T N V S Praveen	
219	Multi-Resolution Detection of Potholes Using YOLOv8 model for Dynamic Environments	Sekar K	
224	DERMA AI: Real-time Skin Disease Identification Using CNNs for Acne and Actinic keratosis	Dr.M A Mukunthan	
266	Spacecraft Time Series Anomaly Detection Using Unsupervised Deep Learning and a Novel Statistical Approach	Sumit Verma	
302	Comparative Analysis of Deep Learning and Machine Learning Models for Predicting Hypo- and Hyperglycemia in Type 2 Diabetes.	Jasthi Neeraj Sai	
305	Deep Learning-Based Detection of Retinopathy of Prematurity Using Vision Transformers	Sekar K	

Day-2 [13-6-2025] Session-4

Link: https://us02web.zoom.us/j/89921074670?pwd=XglVzVr22w9bgxAXkqKhhwk9nCDjaY.1 Meeting ID: 899 2107 4670 Pass Code: 573242			Time: 1.45 PM to 4.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
325	Modelling Risks and Sustainability for Digital Platform Services Supply Chain through Deep Learning	Sanchari Ghosh	Dr G Veera Bhadra Chary 8978975688
337	VahakAI Driver Monitoring System	Kavya Tyagi	
371	Optimal Feature Selection with LIME to Enhance the Smartphone-based HAR Performance for Resource-constrained Devices	C UmaRani	
394	Deep Learning-Based Arecanut Disease Detection and Smart Cluster Management with Automated Pesticide Spraying System	Navaneeth Bhaskar	
395	Vision Transformer-Based Framework for Automated Detection and Classification of Leaf Diseases in Orange Crops	Ashritha K P	
402	Exploring the evaluation of Sentiment Classification on Movie Reviews	Bharath Reddy Jeeru	
425	Smart Weed Detection Using Deep Learning for Sustainable Agriculture	Kalimuthu K	
515	Optimizing Gestational Diabetes Risk Assessment with H2O AutoML	Chanumolu Kiran Kumar	

Day-2 [13-6-2025] Session-5

Link: <https://us02web.zoom.us/j/89100497729?pwd=0wzhIQd4J61F8ogbu7auvxBoafamCW.1>

Meeting ID: 891 0049 7729 **Pass Code:** 285936

Time: 1.45 PM to 4.00 PM

Paper ID	Paper Title	Registered Author	Session Coordinator
528	Retinal Fundus Image Segmentation Using Transfer Learning with MobileNetV2 and U-Net Architectures	Kankanala Srinivas	Dr J Vijitha Ananthi 9790628946
531	A Deep Learning Framework for Real-Time Video Captioning and Multilingual Translation	Venkata Rami Reddy Chirra	
569	Diabetic Retinopathy Detection with Vision Transformer based Deep Learning Model	Busani Jahnavi	
580	Facial Image-Based Down Syndrome Detection in Children Using Novel Transfer Learning Deep Features	Gajula Lakshmi Sai Varshitha	
587	Scalable Zero-Shot Object Detection with Vision Transformers and Deformable Attention	Sekar K	
598	Automated Skill Extraction and Resume Classification using DistilBERT-based NLP Framework	Sambasiva Rao Gumma 9	
635	Active Learning for Pneumonia Detection with Vision Transformers and Bayesian Uncertainty Estimation	Sekar K	
638	Steganalysis Using Deep Learning	Katikala Paul Sathvik	

Day-2 [13-6-2025] Session-6

Link: https://us02web.zoom.us/j/87852010305?pwd=IHTyCHQEOr9Q3XyWzxGJZsXICrw13H.1			Time: 1.45 PM to 4.00 PM
Meeting ID: 878 5201 0305 Pass Code: 37882			
Paper ID	Paper Title	Registered Author	Session Coordinator
12	Indian Sign Language Recognition using OpenCV and the MediaPipe: A Step Towards Inclusion	Dr. Narasimha Swamy Biyyapu	Dr T Phanindra 8096465667
18	Classification of Breast Cancer using Machine Learning	Dr. Gaurav Soni	
21	Implementing YOLO and OCR in product automation for object detection and text extraction	Sravya Kodali	
45	Artificial Intelligence Based Digital Writing Pen Technology	Ramesh Prabhakaran R	
57	The Evolution of Game AI: From Basic Algorithms to Modular Systems	Venkat Reddy Annapureddy	
61	Learning Based Diagnosis of Alzheimer’s Disease using Genomic Data	Bipin Bihari Jayasingh	
83	Revolutionizing Secure Elections: Leveraging Blockchain for Transparent and Immutable Online Voting	Venkat Reddy Annapureddy	
94	Automated Startup Analysis Using Large Language Models and API Integration	Purushotham Vadde	

Day-3 [14-6-2025] Session-1

Link: https://us02web.zoom.us/j/82466110471?pwd=eXlccckdtgB5pWKWV9OE3bl8qqBX5Q.1 Meeting ID: 824 6611 0471 Pass Code: 760040			Time 10.45 AM to 1.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
120	Hybrid CNN-Bi-Directional LSTM Model for Early Skin Cancer Detection	G Vijayakumari	Dr J Vijitha Ananthi 9790628946
124	Controllable Image Synthesis with Attribute-Decomposed Generative Adversarial Networks	B. Sravani	
133	AI-Enhanced Collision Detection for Autonomous Drones Using LiDAR and Neural Network	Vaibhav C. Gandhi	
134	Self-Healing and Optimization in Mesh Networks Using Glowworm Swarm Optimization	Vaibhav C. Gandhi	
141	Machine Learning for Early Detection and Continuous Monitoring of Rheumatoid Arthritis	Jeya Prakash Kadambarajan	
144	AI-Driven Multimodal Heart Health Prediction: Integrating ECG, Clinical, and Lifestyle Data	Irin Sherly S	
156	AI-Assisted Debugging Tools for Enhancing Developer Productivity in Large Codebases Using Genetic Programming Algorithms	Vaibhav C. Gandhi	
157	Implementing Microservices Architecture for Scalable E-Commerce Applications with Dynamic Orchestration Using Kubernetes and Knative	Sudhanshu Maurya	

Day-3 [14-6-2025] Session-2

Link: https://us02web.zoom.us/j/87407301899?pwd=DsAlokFSTaBXZg5LBobpoDJO7rMl3r.1 Meeting ID: 874 0730 1899 Pass Code: 808086			Time 10.45 AM to 1.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
174	Quantum Optimization for Portfolio Management in Financial Services Using the Variational Quantum Eigensolver (VQE) Algorithm	Pankaj Varma	Dr R Pratap Kumar 75698 88963
191	Development of Smart Job Portal Using Block Chain Technology	Swati Kamalsingh Thakur	
231	Phishing URL Detection with Contextual Embeddings and Explainable Machine Learning	Rohit Tahsildar Yadav	
268	Smart Traffic Management: Optimization and Analysis Using YOLOv8	Aryan Ghadekar	
282	An ML and LLM Method for forecasting Air Quality and Making Preventive Suggestions: An Analysis of a Densely Congested Area	Sabuz Ahmed	
286	Blood Group Detection Using Dermatoglyphic Analysis Using Machine Learning	Sabuz Ahmed	
289	A Decentralized Ethereum-Based Donation Platform Using Smart Contracts for Transparent Charity Transactions	Pankaj Kunekar	
306	Utilizing BERT and Deep Neural Networks for Analyzing Social Media Feeds to Derive Marketing Insights	Dr D Ganesh	

Day-3 [14-6-2025] Session-3

Link: https://us02web.zoom.us/j/87394272239?pwd=2Zhtv1rBB6eOG14K65vcO0mAh3mKl.1 Meeting ID: 873 9427 2239 Pass Code: 621611			Time 10.45 AM to 1.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
307	Transforming Sustainable Farming with Latest Digital Water Resource Monitoring Technologies	Dr D Ganesh	Dr M Manoj Kumar 9985578967
313	Role of Artificial Intelligence in Higher Education: A Transformative Approach	Chahat Sahani	
330	AI-Driven Circuit Debugging: Leveraging Large Language Models for Automated Fault Detection and Diagnosis	Sowmya M N	
416	Solar Based Surveillance Robot	Sai Thrinath B.V.	
435	Improving Healthcare Predictions through Multimodel Time Series Modeling	Sekar K	
510	Ensuring Authenticity and Confidentiality in Images using SHA-ECC Fusion	Sai Srinivas Vellela	
517	Adaptive Customer Profiling in Telemarketing with Tuned XGBoost and Oversampling Strategies	Sasikanth Revanuru	
605	Leveraging Deep Feature Fusion Ensemble model in Diagnosing Tuberculosis using Chest X-ray images	D N Keerthana	

Day-3 [14-6-2025] Session-4

Link: https://us02web.zoom.us/j/83212632183?pwd=ess8SDMJL9xHm9JaAKA1YEaWABAhNm.1 Meeting ID: 832 1263 2183 Pass Code: 893315			Time 10.45 AM to 1.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
608	Enhanced WSA-YOLO: Integrating Semi- Supervised Learning and Noise Reduction for Adaptive Object Detection in Low-Light Environments	Allu Jahnvi	Dr G Veera Bhadra Chary 8978975688
628	Hybrid Harris Hawks Optimization Using Minimum Cross Entropy for Multilevel Image Thresholding	Tirumalasetti Supraja	
636	Brain Tumor Image Classification Using AlexNet Algorithm	Saladi Saritha	
658	Thyroid Disease Prediction, Classification and issues of Infertility in Women using Machine Learning Algorithms	J. Bala Murali Krishna	
674	Classification and Analysis of Medical Forms for Healthcare Systems	Sara Uday Kiran	
693	Pretrained Hybrid CNN Architecture for Diabetic Retinopathy Disease Classification	Ashok Kumar Kavuru	
698	Advanced Water Body Segmentation Through Hierarchical Neural Network Architecture	Naga Lavanya Kalavakolli	
699	Vehicle License Plate Recognition System for Smart Traffic Management using YOLOV10 and PaddleOCR	Dr. P. Dhanalakshmi	

Day-3 [14-6-2025] Session-5

Link: https://us02web.zoom.us/j/87822826176?pwd=6lfgds4vQtQeS1RLsmadqpTgokntod.1 Meeting ID: 878 2282 6176 Pass Code: 571602			Time 10.45 AM to 1.00 PM
Paper ID	Paper Title	Registered Author	Session Coordinator
714	Hemangioma Medicinal Image Performance Assessment for effective segmentation using HIPI Architecture	Hemanth Kumar Vasireddi	Dr T Phanindra 8096465667
715	Predictive Optimization of Urban Solid Waste Management Using Machine Learning and Merging Pattern Strategies	Narayana P V	
123	Flexible Multi-Layer DDoS Attack Detection and Mitigation Using Machine Learning for SDN-Based IoT Networks	Pasupuleti Anusha	
186	Detection Of Distributed Denial of Service Attacks in SDN Using Machine Learning Technique	Dr. M. Muthupandi	
335	Early Detection of Student Depression Using Deep Learning Algorithms	Nayudori Bala Krishna	
663	Indian Sign Language Recognition using Convolutional Vision Transformers	Satyajit Swain	
420	Mitigating Slow UI Responsiveness in Modern Mobile Systems: A Large-Scale Study and Optimized Android Process Management	Khushali Sandhi	