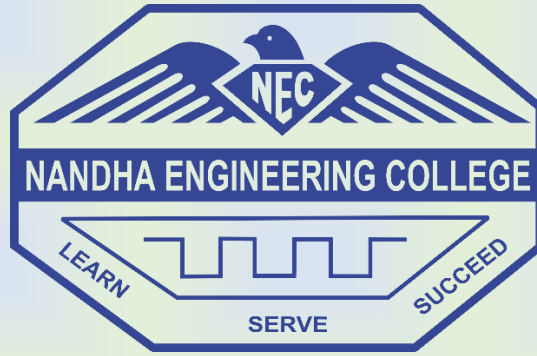




Department of CSE

**Nandha Engineering College, Erode,
India**

Organising

**International Conference on NexGen
Networks and Cybernetics (IC2NC-2025)**

Program Schedule



December 1-3, 2025

Technical Co-Sponsors:



Program Schedule

Day / Date	Timings	Session	Details / Speakers
Day 1 – 01.12.2025 (Monday)	9.00–10.00 AM	Inaugural Session	Opening Ceremony
	10.00–11.00 AM	Keynote Session – I	Dr. V. Nagarajan Senior Member, IEEE Professor, Pondicherry University, India
	11.00–11.20 AM	Session Break	Tea / Networking
	11.20–1.00 PM	Session – 1	Technical Presentations
	1.00–2.00 PM	Lunch Break	—
	2.00–4.00 PM	Session – 2	Technical Presentations
	4.00–4.30 PM	Session Break	Tea / Networking
	4.30–6.00 PM	Session – 3	Technical Presentations
Day 2 – 02.12.2025 (Tuesday)	10.00–11.00 AM	Keynote Session – II	Prof. Alexandru TUGUI" Al. I. Cuza" University Iasi, Faculty of Economy and Business Administration, Romania
	11.00–11.20 AM	Session Break	Tea / Networking
	11.20–1.00 PM	Session – 4	Technical Presentations
	1.00–2.00 PM	Lunch Break	—
	2.00–4.00 PM	Session – 5	Technical Presentations
	4.00–4.30 PM	Session Break	Tea / Networking
	4.30–6.00 PM	Session – 6	Technical Presentations
Day 3 – 03.12.2025 (Wednesday)	10.00– 12.00 PM	Session – 7	Technical Presentations
	12.00– 2.00 PM	Lunch Break	—
	3.00 – 4.00 PM	Valedictory Function	Closing Remarks & Certificate Distribution

Session – 1: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 11.20 AM – 1.00 PM

Paper ID	Title	Author Details
659	An Adaptive Approach for Data Encryption and Decryption in RSA Algorithm for Reducing Computation Time	Varadhaganapathy S, Kaviya S, Giridharan S, Jagan
186	Adaptive Real-Time Sentiment Analytics for Social Media, Customer Feedback and Market Trend Forecasting	Jakkani Laxminarayana, Mohammed Ali Shaik
829	IoT-based Smart Solar PV-Battery Integrated System by using Bidirectional DC-DC Converter	Dhanaselvam J, Swathi V, Sheik Ibraheem Badushaa SA, Sri Vatsan SN, Jaisiva S, Lijo Jacob Varghese
1210	Deep Learning-Based Assistive Healthcare System with Context-Aware Personalization for Visually Impaired Patients: A Clinical Validation Study	Dr. Preetha J, Dr. Rajchandar K, Darshwana R S, Hareini S
521	Automated Multiple Disease Diagnosis Across Abdominal Organ Via Fusion Model	Swetha. P, Dr. B. Padmavathi
568	Hybrid Stacking Ensemble: SVM with Neural Network Meta-Learner for Heart Disease Prediction	Deepa S, Dr. Arun G, Dr. Tamilselvi R, Alamelu M, Dr. Balamurugan Eswaran, Hariram S
850	Design and Analysis of a sub-Ku-Band Parabolic Reflector Antenna for Satellite Communication	Mr. N. Kanagaraj
508	GAN-Based Framework for Robust Network Intrusion Detection	Rajeshwaran S, Manoj R, Poovarasan S, RamSidharth K, Laxmi Raja
474	Detection of Cyber Attacks in Electric Vehicle Charging Station using Machine Learning Mechanisms	Ramraj B, Asdhaq Ahamed M, Charu Kala T, Prasanth R
1179	Detection of Bird Species using Lightweight Convolutional Neural Networks	Rajasekaran Thangaraj, Balasubramaniam Vadivel, S. Manoj Kumar, S. Sadesh, Gokul Chandrasekaran, S. Anandamurugan
1197	NeoRetinoNet: A Deep Learning-Based System for Detecting Retinopathy of Prematurity in Preterm Infants	Shanmugapriya K, Deepika R, Dhanuskh R, Mohan V
1198	Hybrid Machine Learning Model for Price Forecasting of Electric and Fuel-Based Two- Wheelers	Deepa B, Geetha S, Mani Chinnasamy, Sathishkumar M, Rohith S, Prakash Raj B
1271	An Augmented Reality-Based Furniture Visualization Application using Unity and Vuforia for Real-Time Interior Design	Manikandan R, Rajasekaran Thangaraj, Rumesh Kumaran K, Sharmila B, Pravineshwar S

Venue: Nandha Engineering College, Erode, India

Session – 1: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 11.20 AM – 1.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
80	AI-Driven MIS and Business Analytics Framework for Sustainable Innovation	Urmi Halder,Md Mohibur Rahman,Md Alamgir Miah,Mukther Uddin,Sharjil Bin Yousuf
81	Deep Sensor Fusion Framework for Autonomous Vehicle Perception	Neela Ravali, Sasidhar Reddy Gaddam, Swapna V, L V Siva RamaKrishna Boddu, Srinivasa Rao T, Sriharsha Vikruthi
58	Enhanced Sentiment Classification of Mobile Phone Technical Reviews Using BERT-Based Models	Sweety Singhal, Snehlata Ajmera, Vartika Vyas, Abhilasha Dangi, Monalisa Meena, Awanit Kumar
66	Smart Waste Segregation in Street Dustbins Powered by Edge Computing for an Eco-Friendly Environment	N.Sathish, Vidya Najasree Poteti, Ch.Naga Pavan
158	Metaheuristic Optimization of Trust Scores for Gig Worker Credibility Using PSO, FA and Hybrid PSO-FA Algorithms	Jayshnav S, Archana Mahendran, Ashwin Vedam, Karthikeyan U
229	A Novel framework for Adaptive Grasp Planning with Smart Tactile Feedback and Reinforcement Learning for Pick-and-Place Robots	Jim Steeves E, Anantha Christu Raj P, Subha Hency Jose P, L. Kebila Anns Subi
269	VeriFIR: An Assistant for Legal Complaint Analysis and BNS Section Recommendation	Preeti Bailke, Renuka Deshpande, Akash Gadekar, Rutvik Gaikwad, Vipul Gejage, Sarthak Ghavate
180	Next-Gen Cognitive IoT Architectures for Autonomous Vehicular Networks in Smart Cities	Ch Ram Mohan, Mallareddy Adudhodla, Sirikonda Vamshi Krushna, Vasavi Bande, Ch G V N Prasad, Pavan Kumar Reddy Manellore
351	A Survey on Crime Detection in CCTV Surveillance: Image Processing and Deep Learning Approaches	JEBA PRIYA J, Dr.N.PRIYA
372	User Centric Escalation Policies for Adaptive Women Safety Orchestration	P.Divya, M.Kumaresan, P.Manikandan

Session – 1: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 11.20 AM – 1.00 PM

Google Meeting Link-II: <https://meet.google.com/bdx-ukas-gbb>

Paper ID	Title	Author Details
410	Enhancing Predictive Maintenance in Industrial IoT using Machine Learning: A Comparative Study of Algorithms and Challenges	Dimple Kapoor, Deepali Gupta, Mudita Uppal, Shalika, Sapna Juneja, Niranjana Devanathan R
363	An Augmented Reality and Thermal Imaging Based Framework for Automated Vehicle Damage Detection and Insurance Claim Assessment	Awanit Kumar, Rohit Maheshwari, Viraj Chudaman Suryawanshi, Sumanth Banakar, Venkatesh Ankarla Sri Ramuloo, Lokesh Vegi
396	Random Forest Based IDS Framework for DDoS Attack Mitigation in Cloud Computing	Srikanth Indurthi, Ganesh Reddy Karri
357	A Comprehensive Survey on Blockchain and Artificial Intelligence Integration for Secure and Transparent Software Auditing System	S. Vinitha, J. Yesudoss
424	Machining Process-Invariant Intrusion Detection in Cyber-Physical Manufacturing Systems Using XGBoost	Bala K, Gokul C, Anandha Kumar S, Krishna Sree K
471	AI-Enabled Visual Assistance with Integrated Reading for People with Total Blindness A Review	Dr. T. Mohanraj, Sriramakarthykeyan J, Tharun Karthik K, Vijay K, Vikram R
72	Secure Remote Access: A Scalable VPN Framework Using Machine Learning-Based Intrusion Detection with Random Forest	David Neels Ponkumar Devadhas, Arun Kumar S, Syed Mahammed Afzal, Mahmad Muskan, Sangaraju Joshika, Dr. Julian
73	Cyber Threat Intelligence Framework Using Graph Attention Networks for Dark Web Activity Monitoring	David Neels Ponkumar Devadhas, Satheesh Kumar M, Syed Mahammed Afzal, Mahmad Muskan, Sangaraju Joshika, Dr. Julian
266	Optimizing Solar Energy Harvesting Efficiency Using Convolutional Neural Networks for Under Variable Weather Conditions	Aaron Kevin Cameron Theoderaj, Sree Southry S, R. Meenakshi, Narayana Moorthy G, A. Annie Lotus, C Srinivasan
346	Adaptive and Low-Latency COVID-19 Monitoring with PO-ADMGNN in Fog-Assisted Healthcare Systems	Komala C R, Bal Virdee, Ashish Khanna, R. G. Vidhya, S. Sivashankar

Session – 1: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 11.20 AM – 1.00 PM

Google Meeting Link-III: <https://meet.google.com/beo-zoro-jqq>

Paper ID	Title	Author Details
345	Perfumer Optimization–Enhanced Graph Neural Networks for Efficient and Accurate COVID-19 Risk Prediction in IoT/IoMT Healthcare	Komala C R,Bal Virdee,Ashish Khanna,R. G. Vidhya,S. Sivashankar
522	Design of an ICT-Based Multimedia Platform for English Language Teaching in Higher Education	Joseph Manoj Babu S, Jyothi Masuram, Pushpa Nagini Sripada,Seema Satheesh,Freeda Rajakumari,Harini Cherukuri
338	Optimized test vector generation and detection of Bridging faults in Reversible circuits with cryptographic validation	Roopa KR, Vignesh T, Dr. Banani Talukdar, Dr Mandar Jatkar, Dr Vasudeva G, Dr Tripti R Kulakarni
267	Real-Time Volleyball Movement Classification Using Linear Discriminant Analysis	Tarun Kumar Kottedda, E.Uvarani, M. Revathi, Boopathy K, M. Muthulekshmi, Don Chris Allan B
1101	Custom Convolutional Neural Network for Multi-Class Date Fruit Variety Classification in Precision Agriculture	Jayapal Lande, Parul Nasra, Stuti Bhatt, Alankrita Joshi
1108	Lightweight CNN-based Malaria detection framework based on the use of MobileNetV2	K Kiran, Rajkumar, Stuti Bhatt, Alankrita Joshi
264	Comparative Analysis of Fault Detection Techniques for Edge Enabled Smart Power Grids	Jayashree Kulkarni
501	Integrated AI Framework for Detection of Green Foliage Diseases and Sustainable Field Management	Karthikeyan S,Kishore K,Manoj kumar M
433	A Lightweight Real-Time Dual-Metric System for Bicep Curl Form Correction	Pradyumna Waghlikar, Ravindra B. Murumkar
506	Design And Implementation of Intelligent Transformer And Safety Diagnostic Using Hidden Markov Method	J.Karthika, A.G.Kabilan, S.Kailash, A.S.Lalith Khumar

Session – 2: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 2.00 PM – 4.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
536	Classification of Nail Disease Using Deep Learning Method	Boopathi V,Boobalan S,Aswinth M, Ms.V.Akisha
454	Integration of Fingerprint and Face Recognition for Voter Authentication using Convolutional Neural Networks	K.Shanmugapriya, Kalyanasundaram.P, Saravanan.N, B. Bhuvaneshvari, G. Oviya, S. SubaHarini
391	ESP32 Based Solar Irradiance Tracking and Prediction Using Different Supervised Machine Learning Algorithms	Madhusudhana Reddy Barusu, M. Jyothirmai
444	Mapping Customer Behavior: Visual Analysis of Online Retail Interactions	Tushita Agarwal, Swaminathan Sethuraman
482	Predictive Analytics for Supply Chain Optimization Using ML Models	Akila K,Vinothini M,Priyanka N,Nandhini S,Masilamani M,Jayanthi R
492	Noise-Resistant Deep Ensemble Learning with Optimization-Driven Feature Fusion for Heart Disease Diagnosis	B Shamreen Ahamed,Bal Virdee,Ashish Khanna,R. G. Vidhya,S. Sivashankar
629	DeepExplain-CB: Explainable AI for Multi-Dimensional Cyberbullying Detection	Saranya R,Dhesigan R,Kabilan C,Guna K
591	TriNetFusion: A Hybrid Deep Learning Framework for Multi-Disease Detection in Fundus Images	Heera Patwal, Ankur Singh Bist, Shilpa Jain,
546	Adaptive Energy Management in VANET Based Smart Cities through Deep Q Learning	M. Angel Shalini, Saranya S, S.Viji, E.Anitha A Anuradha, G.Prathap
581	EfficientNetV2-Based Deep Learning Framework for Automated Skin Cancer Image Classification	M.Malathi, F.Mary Harin Fernandez
77	IRIDOLOGY AS A PREDICTIVE TOOL FOR HUMAN HEALTH: INNOVATING NON- INVASIVE DIAGNOSTICS	Indumathi V,S Venkata Satya Krishna,V T Ram Pavan Kumar M,Dr. Swapna V,P V V S D Nagendrudu,Vellaturi Gopikrishna,Sriharsha Vikruthi
482	Predictive Analytics for Supply Chain Optimization Using ML Models	Akila K,Vinothini M,Priyanka N,Nandhini S,Masilamani M,Jayanthi R

Session – 2: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 2.00 PM – 4.00 PM

Google Meeting Link-II: <https://meet.google.com/bdx-ukas-gbb>

Paper ID	Title	Author Details
657	A Transformer-Augmented Hybrid Deep Learning Framework for Balanced Q8 Protein Secondary Structure Prediction	Shivani J, Kumaran K
153	Neuroadaptive AI Framework for Personalized English Language Instruction Using Brainwave- Informed Contextual Learning Models	Priyadharshini CPC, Dr. K.N.V. Satyanarayana, Dr P.Bindhu, Dr.T.Jayasudha, Dr. Bansode G.S, Sreela B
119	Semantic-Graph-Driven AI for Predicting Reader Engagement in English Texts Across Multiple Digital Platforms	Dr.Ponnuru Mahesh, Dr. Jyoti Tripathi, Angel Mary F, Dr. M. Durairaj, Dr. Bansode G.S, B.Anitha Vijayalakshmi
540	A Hybrid AC/DC Microgrid: Integrating Power for Future Generations	Ravindranadh Chowdary, Akhil Reddy Kothapalli, Prabhas Alla, Dinesh Paul Jetty, Uday Kiran Pedada, Charan Nayak Banavathu
1213	Deep Learning-Enhanced Multi-Modal Fusion for Anomaly-Based Insider Threat Detection in Enterprise Environments	Srujana Kodumuri, Ramesh Dadi
83	Forecasting Product Delivery Outcomes in E-commerce	Manisha K, Queen Naomila S, Asst. Prof. A. Vani Lavanya
452	Context-Aware Ensemble for Stock Market Prediction Using Sentiment and Volatility Signals	Nitu Saha, Amit Majumder
736	A Hybrid Machine and Deep Learning Framework for Student Risk Prediction in Learning Management System	Bathula Hepsi, Kaligithi Rajesh Kumar, Gelli Archana
844	Integrative Survival Prediction in Breast Cancer Using a Hybrid Dual-Latent Autoencoder with Probabilistic Latent Representation Learning	Saravanan Elumalai, Surendran R
373	Adaptive Cognitive Digital Twin Framework for Efficient Smart City Operations	V S Krushnasamy, Mansoor Farooq, Naama Hussein Al-Muraad, Omar Mohsen Hussein, Abdalsalam Taha Hussain Ali, Dr K. Selvakumarasamy
399	Cognitive Load-Aware AI Model for Optimizing English Reading Comprehension in Adaptive Learning Platforms	Theporal S, Dr. B R Lakshmi, Nashwan Adnan Othman, V.Saranya, Dr. Telugu Neelima, Dr. Sreela B

Session – 2: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 2.00 PM – 4.00 PM

Google Meeting Link-III: <https://meet.google.com/beo-zoro-jqq>

Paper ID	Title	Author Details
740	Privacy Risk Prediction from Social Media Metadata Using Feature Selection Approaches	Pranav R,Dr. Meenakshi Malviya Rajoriya,Dr. Rohini V
881	Energy Harvesting in Bio-Inspired Robotics: Addressing Power Autonomy Limitations	Loso Judijanto, Sri Nurhayati
854	Autonomous Digital Cheque Transmission Protocol for Intermittent Connectivity Agricultural Markets	Alie Ndiaye,Mamadou Ba,Jean Aimé Florent Kikobet Kolodo,Samuel Ouya
526	Context-Aware AI Tutoring Model Integrating Emotion Recognition for Personalized Learning in Remote Education Platforms	Dr.Neha Jain, S.Markkandeyan, Balaraju BV, Vuppuloori Ravi Sekhara Reddy, Dr.Karthick K, Dr V Suresh Babu
552	Automatic English Essay Grading Using Convolutional Neural Networks and Semantic Similarity Scoring	Dr. Syed Wahaj Mohsin, Dr.Neha Jain, K.Radha Madhavi, K.M.Madhumitha, S.T. Gopukumar, Vimochana.M
845	MBLC-Net: A Multiview Breast Lesion Characterization Network with Cross-View Feature Fusion and Region-Attentive Segmentation	Saravanan Elumalai, Surendran R
831	An Empirical analysis of various techniques for Brain tumor classification using MRI images	Nisha M, Dr.R.Kumar
855	XSS-DS: An Innovative Dataset & Deep Learning Structure for Effective Identification of Cross-Site Scripting Attacks in Online Applications	R. Alexsandar, M. Sahaya Sheela
605	Blockchain-Integrated Generative AI Framework for Robust Deepfake Detection and Digital Media Verification	Dinesh Kumar J, Suresh C,Dhayanithi P,Mrs. Angeljulie J
415	Multi objective reinforcement tuning for responsible generative AI in automated financial advisory systems	Vishakha D Bhandarkar, Dr. Musa Dima Genemo, Iskandar Muda, Rekha Murugan, Dr.G.Sreeram, N Dharani
852	A Hybrid Transformer–RNN Framework with Mathematical Modeling for Sequential ContextAware Text Summarization	Mohammad Ali Shaik, Kunde Greeshma, Dhulipalla Hasini, Karim Pasha, Sreeramoju Harish, Sangem Sricharan

Session – 3: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 4.30 PM – 6.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
897	A Hierarchical Multiscale Attention framework for Robust Chest X-Ray Abnormality Detection	Pradeepan P, Gladston Raj S, Juby George, Neethunath M R
953	Next-Generation Network Infrastructure: Exploration of Content-Addressable Memory for Enhanced Security, Performance, and Sustainability	Palanichamy Manikandan
838	Design of an Efficient Battery Management System and Charging System for an Electric Two-Wheeler with Hub Motor	Dr. Lijo Jacob Varghese, Rohith G C, Pragatheeshwar B, Someshwaran T S, Deelipraj D
718	Improving Rare Skin Cancer Recognition through Diffusion Generated Synthetic Images	Tamilselvi. P, V.T.Kruthika, R.Subha, Sahaya Jothi S, Sunanthini. K, M.Sangeetha
726	Enhanced Bone Fracture Detection in X-Ray Images using YOLOv11x	T.S. Vishnu Priya, G.K. Kamalam,S. Mukil,S. Rohith,K. Sorna Priya
834	An Empirical analysis of various techniques for pediatric leukemia detection and classification	Jisha John, Dr. Felix M. Philip
969	Federated Learning in Agriculture: Current Advances, Open Challenges, and Future Horizons	Godhandaraman T, Senthil Kumar Angappan
739	Hybrid DCGAN-Based Framework for Robust and Efficient Vehicle Path Planning in Autonomous Driving	Pragathi Maram,Pramod kumar P
989	Interpretable Deep Learning for Early Detection of Diabetic Retinopathy Using Lightweight Vision Transformers	M.Aruna, Manas Ranjan Panda,Ranjeet Kumar, Karthik Mani, Subhan Baba Mohammed, Tejas Dhanorkar
635	FitGenix – A Deep Learning-Based Workout Tracking System with Diet and Workout Suggestion	Govindaraj S, Lipiga V A, Hariprasad M, Karan Raj T
894	Lds-Dcdnet: Lightweight Depth-Wise Separable Dilated Convolutional Dropout Network For Efficient Covid-19 Recognition In Edge Computing-Enabled Healthcare Systems	M.Rambhupal, Dr. Persis Voola
1262	Predictive Modeling of Cirrhosis Patient Survival Using Random Forest Algorithm	Naganikhila Thatha, Frampton Ct, Lathrop,Dr. G. Arunsankar, Dr. E. Seenivasan,Archana N, A. Bharath, Sathishkumar V E,

Session – 3: Technical Presentations

Day 1 – 01.12.2025 (Monday)

Time: 4.30 PM – 6.00 PM

Google Meeting Link-II: <https://meet.google.com/bdx-ukas-gbb>

Paper ID	Title	Author Details
781	Digital Marketing and Consumer Behaviour Prediction Using Machine Learning	K. Sudha, R. Hemalatha
928	NeuroFed-ResBiLSTM: A Federated, Neuromorphic-aware ResNet–BiLSTM Hybrid for Occlusion-Robust Edge Vehicle Detection	Sivaprakash T, Dr Sarala R
826	Probabilistic Reasoning in Multi-Agent Reinforcement Learning Systems	Srinivasu Yalamati
879	Intelligent IoT Framework for Real-Time BLDC Drive Fault notification using PID and Neural Network Optimization	Dhanaselvam J, Madumitha S, Justin J, Libin Jebel I, Ajith B Singh
362	Exploring Diagnostic Innovations: Survey of Deep Learning Models for Lung Disease Classification	Hoda El-Batrawy, Parag Ravikant Kaveri, Raju Shanmugam, Amena Mahmoud, Reshma R, Wesam Ahmed
298	Enhancing U-Net 3+ for Automated Kidney Tumor Segmentation Using Residual Connections	Mudita Uppal, Parag Ravikant Kaveri, Sapna Juneja, Deepali Gupta, Niranjan Devanathan R
918	Adaptive Network Architectures for Scalable, Resilient and Secure IoT Systems	K Ascherya, Mahender Reddy Bobbala, Veerumneni Saavanth, K Shalini, Mallareddy Adudhodla, Pavan Kumar Reddy Manellore
653	Deep Learning Based Hand Gesture Recognition Using Acoustic Myography	Kesav Bala R, Gururaj K, Lokesh G, Yashini Nivethitha M
810	Sparse Matrix Factorization for Scalable Machine Learning in Cloud Environments	Srinivasu Yalamati
502	Federated Learning in Embedded and Edge Systems: Architectures, Algorithms, and Applications	Vasuki Shankar, Dhruv Dhankher, Sameeksha Dadmi, Rahul Biliyar, Sinchana H
964	A Hybrid Gradient Boosting and Deep Neural Network Framework for Predicting Sustainable Fashion Trends Among Gen Z in Bangladesh	Arifa sultana Anika, Md Raian Ansari, Mashiyad Murshed, Saeed Rahman Samin, Md Zihadul Islam, Sudoy Kumer Ghosh
1119	Blockchain Based System and Method for Multi-Form Gold Tokenization using ERC-1155 Token Standard	Varshan Manish, Gokulesh M, Dharshan Raj P A, Ragavan K
524	Application of Mann–Whitney U Technique for Comparative Analysis in Entrepreneurship Research	Malasriganga C, C. Shalini

Session – 4: Technical Presentations

Day 2 – 02.12.2025 (Tuesday)

Time: 11.20 AM – 1.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
968	Federated Digital Twin and Blockchain Framework for Lunar/Deep-Space Waste-to-Resource Circularity	Godhandaraman T, Senthil Kumar Angappan
916	A Fine-Tuned SWIN Transformer Approach for Pneumonia Prediction	Shalini G, Swetha N, Aflah Kaunyn, Mehak Rafiya, Mehnaz Ul Ain, Noor Fathima
925	Vit-Gwo: Integrating Vision Transformer With Grey Wolf Optimizer For Robust Crop Leaf Disease Detection	Pramod Begur Nagaraj, Winner Pulakhandam, Swapna Narla, Sreekar Peddi, Nila Feby Puspitasari, Lalit Kumar
1252	Deep Learning for Predicting Movement Patterns in Smart Wheelchairs	Naresh Gupta Darisa, Dr. K. Jayasakthi Velmurugan, Dr. S. M. Srilanga Meenakshi, S. Murugan, Dr. Shaini G. S., Ruthmary A
939	Hybrid Deep Learning-Powered Secure Browser Extension for Real-Time Malicious Website Detection	Yogesh, Esther Daniel, T. Neeba, S. Seetha, S. Durga
974	Computational Intelligence for Electric Vehicles: Transforming Mobility Through AI	Sudhir K. Routray, Mahesh K. Jha, M. Pappa, K P Sharmila, Jagrati Gupta, Abhishek Javali
403	Personalized Learning Pathways Using Transformer-Based Student Modeling in E-Learning Platforms	Dr Tushar Dhar Shukla, Dr Sakshi Manhas, Sarpreet Kaur Sidhu, Aakash Dhiman, Dr.Neha Jain, R Saravanakumar
1099	A VGG16-Based Deep Learning Framework for Multi-Class Classification of Medicinal Leaf Diseases	Sripelli Jagadish, Seerat Singla, Manisha Aeri, Aanchal Rawat
404	Explainable AI Model for Transparent Evaluation of Student Learning Outcomes in Intelligent Virtual Classroom Settings	Dr Tushar Dhar Shukla, Dr Sakshi Manhas, Sarpreet Kaur Sidhu, Balaraju BV, Dr.Dilpreet Kaur, Dr K. Selvakumarasamy
978	Explainable Digital Twin Framework for Aircraft Engine Maintenance	Chris Joseph George, Rajkumar J.S, Nirmal Varghese Babu
1080	Performance Analysis of Ground Vibration Detection Signals Using a Hybrid Optimization Learning Approach with Different Geophone Sensors	Guruprasath Jeevajothi, Sanjoy Deb, Mohanambika Mani, Vigneshkumar Annamalai, Palanisamy G, Dhanasekar Nataraj
67	Adaptive Blind Image Deblurring Using Convolutional Neural Networks Integrated with Reinforcement Learning: A Dynamic Approach	E. Ajitha, B. Diwan, A. Shirley Felcita, Suvisha Brigil Sudhakar

Session – 5: Technical Presentations

Day 2 – 02.12.2025 (Tuesday)

Time: 2.00 PM – 4.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
913	A Healthcare-Aware Multi-Objective Routing Algorithm for Smart Ambulances in Congested Urban Environments	Fabine Bobby Vackachan, Dr. S. Christina Magneta
908	AI-Enabled Remote Patient Health Monitoring System with Edge, Cloud, and Cybersecurity Integration	Rahul R, S. Christina Magneta
820	An effective approach for Fusion-Based Stock Sentiment Analyzer Using Financial News and Tweets	Varun Nair,Dr. J. Praveenchandar,D.Linett Sophia
942	Lightweight Modified ShuffleNet Framework for Cyberattack Detection	K Praveen Kumar, D. Raghunath Kumar Babu, Kammari Srujana, Kethineni Vinod Kumar
940	Premium Unlocked AI for Medical Document Decoding	Sherwin Prince Daniel R,Bijeesh T V,Shamanth N
1032	Hybrid Deep Learning Framework for Rainfall Prediction: Integrating Wavelet-ARIMA, CEEMDAN-LSTM, and CNN-BiLSTM for Enhanced Climate Variability Analysis	Md. Mahfujur Rahman Nayeem Gazi, Rubyat Farzana Nisa, Mashiyad Murshed, Saeed Rahman Samin, Md Zihadul Islam, Sudoy Kumer Ghosh
952	A Hybrid Framework for Ultrasonic Image Diagnostics and Cloud-Based Patient Monitoring	Mohammed Ali Shaik, M Koushik, B Shashank Reddy, B Pranay Kumar, L Charan Kumar, K Ruthwik Reddy
704	Automating Corneal Diagnosis for Keratoconus Detection Using Deep Learning	K. Vasumathi,R. Sandhiya, K. Sruthi,G. Sundaravadivel,K. T. Yukesshwaran, S. S. Raja Ganesh
967	Early Sepsis Prediction Using Hybrid LightGBM and LSTM Model	Lizzy Angelin Alphonsa G,Mary Jasmine E,Rajkumar Rajavel
943	An Integrated Autonomous Mobile Robot for Smart Hospital Logistics and Patient Monitoring	Melvin Sajith, Savitha K.K
538	Smart Fault Detection in VLSI Using Multi-Algorithmic Machine Learning	Lithana, Loshna, Arulraj simon prabu

Session – 6: Technical Presentations

Day 2 – 02.12.2025 (Tuesday)

Time: 4.30 PM – 6.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
1150	AI-based Frame Interpolation, Video Generation for Weather Mapping Services	Anson Saju George, T. Jemima Jebaseeli
451	FairFusionNet: A Novel Deep Learning Framework for Melanoma Diagnosis Using Multimodal Data Fusion	Nancy Eymal Samuel, Anitha J, Jebaveerasingh Jebadurai
954	Enhanced Chest X-Ray Analysis through Transfer-Based Deep Feature Extraction for Pulmonary Disorders	Sriramkumar R,A.Vegi Fernando, Mithaguru,Nagarjuna Naik Mude, Joshuva Arockia Dhanraj, Lakshmanan M
921	Sanjeevani AI: Passive Suicide Risk Detector & Helper	Deepa D, Krishna Koushik B,Sai Sree Nikhitha, Om Bhavani Shankar T,Prathiba R
1012	Hybrid EEG Signal Enhancement and Temporal-Graph Transformer Framework for Multiclass Seizure Prediction	Alan Biju Varkey,Angelin Jeba P,Nirmal Varghese
395	Predicting Post-Anesthesia Recovery Time in Painless Endoscopy Using Machine Learning Models	Dr. Jhansi Vazram Bolla, Shabnam Shaik, Sangeetha Koppula, Nageswari Dasari, Gopalakrishna Vakamullu, Ramesh Banoth
975	Enhanced Multi-Class Gearbox Fault Detection Using WiSARD Weightless Neural Networks with Binary Pattern Encoded Vibration Data	Joshuva Arockia Dhanraj,Gaurav Londhe,,Mude Nagarjuna Naik, Lakshmanan M, Sriramkumar R, Shreyas Rajendra Hole
500	Physics-Informed Fourier Neural Operators for Heat Transfer Modeling: Leveraging Partial Differential Equations for Enhanced Predictive Accuracy	M.Nagapavani, K. Kiran kumar, M.Venkatachalapathy, K.Abdul Razak, Pitchaimani.T, B.Anitha Vijayalakshmi
1093	OptiSCDNet: An Optimized Network for Sickle Cell Morphology Analysis with Integrated Binary and Severity Classification	A.Philomina Jenifer, P.Nagarajan.
944	Real-Time Vehicle Trajectory and State Prediction using Advanced Recurrent Networks in a SUMO Simulated Environment	Marni Jacinth Raj, Dr. E. Bijolin Edwin, Dr. M. Roshni Thanka
666	Evaluating Employee Performance: A Comparative Analysis of SVM and Decision Tree Models	Babita Bisht, Amit Mittal, Hansi Negi and Siddharth Joshi
1184	A Comprehensive Survey on the Causes and Challenges of Network Traffic Congestion in Modern Networks	Dr. J. Vijitha Ananthi, Yamini Priya, T. Vishnu Priya,M. Bala Bhoomika

Session – 6: Technical Presentations

Day 2 – 02.12.2025 (Tuesday)

Time: 4.30 PM – 6.00 PM

Google Meeting Link-II: <https://meet.google.com/bdx-ukas-gbb>

Paper ID	Title	Author Details
1192	High-Fidelity Image Synthesis using Enhanced Generative Adversarial Networks with Attention Mechanisms	Roja D, Sudhir Kumar Jidugu, Dr Thalakola Syamsundara Rao, Lakshma Reddy Vuyyuru, Sai Srinivas Vellela, Bandla Siva Ranjani
1225	Adaptive Workflow Orchestration in Large-Scale Cloud Data Pipelines Using Apache Airflow	Suseelkousic Gogineni, Vijayasai Madamanchi, Venkata Makineni, Pamula Udayaraju, M. Sitharam
1088	Edge-Intelligent Block Chain Framework for Federated Privacy-Preserving Medical Diagnostics	R.Tamilamuthan, S.SHOBANA, K.Kotteswari, Suresh Kumar V, B.T.Geetha & M.Lakshmanan
1209	A Hybrid Chaotic Model with Steganography to Improve Image Security	R. Asokan, V. Malathy, Dineshkumar Thangaraju
1157	Hybrid SRAM–RRAM-Based Hardware-Aware Continual Learning for Edge Control Applications	J. R. Pranesh, Deepa D, Drisanth M, Ashin B. Shankar
1255	Unmasking the Masked: A Classical Machine Learning Pipeline for Detecting Forged Receipts	Marita J Neerakan, Sudhakar T, Logeshwaran J
191	Hybrid Deep Learning Approach for Chronic Kidney Disease Detection	Lokesh K, Rekha S, Kaviya M, Israel D, Dr. Nafeez Ahmed L
1203	A Comprehensive Survey on Deep Learning Based Medical Imaging for Chronic Kidney Disease Diagnosis	Ram Ganesh G H,Aghila Rajagopal
934	Conversational Web3: Enabling Human-Like Interactions with the Solana Blockchain via Hey SOL	Gokulnath R.S,Shri Bharani Priya N, Vijay A, Balaji G,Saranya D
541	IMPLEMENTATION OF FUEL CELL STACK WITH BOOST CONVERTER	Ravindranadh V,Prabhas A,Akhil Reddy K, Dinesh Paul J,Uday Kiran P, Charan Nayak B
1204	Digital Twin Enabled Deep Learning System for Predictive Monitoring of Cardiovascular Health	V.Srinivasan, Kalyan Kondisetty, Srikanth Gorle, Chiranjeevi Devi, Manas Ranjan Panda, Mohan Vamsi Musunuru
737	Adaptive Ensemble Learning Models for Multi-Disease Classification	Yazhini Nivethitha, Akshaya A, Abishek N, Jeevitha, A. Mohanarathinam, Kamalraj Subramaniam

Session – 7: Technical Presentations

Day 3 – 03.12.2025 (Tuesday)

Time: 10.00 AM – 12.00 PM

Google Meeting Link-I: <https://meet.google.com/kbb-qsec-frd>

Paper ID	Title	Author Details
947	Adaptive Calibration and Drift Mitigation in Distributed Aquaponics IoT using Federated Edge Intelligence for Sustained Sensor Reliability	Joshuva Arockia Dhanraj, Gaurav Londhe, Lakshmanan M, Sriramkumar R, Mude Nagarjuna Naik, Shreyas Rajendra Hole
516	Advancing Smart Cities with Intelligent Edge Computing Leveraging Fog and IoT for Scalable Data Processing	Bhima sankar Manthina, Anuja G Gunale, Eswararao Boddepalli, Malik Bader Alazzam, Jawad Radhi Rustum Al-Assal, Lokesh Gupta
1084	Federated Blockchain Intelligence: A Multi-Modal AI Framework for Cyber-Resilient Smart Cities	Prajwalasimha S N, Dilip Kumar Jang Bahadur Saini Lakshmi K, Sagar Kolekar, Joshe Raj S P, Monish L
1083	AI-Powered Predictive Ransomware and Malware Detection for Edge and Cloud Systems	Prajwalasimha S N, Dilip Kumar Jang Bahadur Saini, Linga Reddy Gari Muralidhar Reddy, Sagar Kolekar, Fenita F, Monish L
1113	An Image Processing Approach for Lane Detection and Smooth Trajectory Generation in Self-Driving Cars Using Machine Learning and Deep Learning Models	S. Dinakar Raj, N. NavaPrakash, V. Suresh Kumar
1189	An Intelligent Machine Learning Framework for Early Detection of DDoS Attacks in IoT Networks	G.Sivaraj, Feroz Khan A.B
1196	Blockchain-Assisted Trust-Driven Secure Routing Protocol for Reliable Communication in Vehicular Networks (BTDSRP)	Kalpana Devi S, Thenmozhi R
1195	Federated Big Data-Driven Hybrid Deep Learning Framework with Self-Enhanced Optimization for Intelligent Cyber Attack Detection	Dr. D. Raghunath Kumar Babu, Vudavagandla Madhan Mohan Reddy, Saddala Yamini, Sree Ramireddy Gari Sasank
1188	Machine Learning Classification of Online Shopper Purchasing Intentions	Samuel-Soma M., Ajibade, Muhammed Basheer, Jasser, Sathishkumar V., E, Ghassan Saleh, ALDharhani, Anthonia Oluwatosin, Adediran, Kayode A., Akintoye, Olumide Simeon, Ogunnusi, Olamide Emmanuel, Ayodele, Ehineni Olufunke Janet
922	A Literature Review of Federated Learning Algorithms for Load Prediction	Zu Wayne Ng, Samuel-Soma M. Ajibade, Muhammed Basheer Jasser, Ghassan Saleh ALDharhani, Sathishkumar V. E., Anthonia Oluwatosin, Adediran, Olumide Simeon Ogunnusi, Kayode A. Akintoye
956	A Novel Outlier Removal Method for Heart Disease Prediction: An Investigation of Its Impact on Predictive Performance	Syed Varish, Sudha Rani V, Dinesh Kumar Anguraj
833	Multiclass Brain Tumor Classification using Optimization Enabled Deep Learning	Aynun Jarria S.P, Dr. A. Boyed Wesley

Session – 7: Technical Presentations

Day 3 – 03.12.2025 (Tuesday)

Time: 10.00 AM – 12.00 PM

Google Meeting Link-II: <https://meet.google.com/bdx-ukas-gbb>

Paper ID	Title	Author Details
1185	Advanced CAPTCHA Verification System Using Deep Learning and Adversarial Distortion Techniques for Enhanced Cybersecurity	Jaswanth Kumar N, Adithya N Reddy, Achu Jayan, Sagar Basavaraju
1216	IR Based Dynamic Battery Cell Isolation and Seamless Power System	Sheikdavood K, Abhishek Kumar V, Absal K A, Anuruth S
1211	HBeONet: Hybrid Bald Eagle Optimized Distributed Attention-Based Unet Model for Medical and Satellite Image Denoising	Sharanabasav Hosamani, Dr. Shashidhar Sonnad
1237	Multi-Cloud Federated Learning Architecture with Homomorphic Encryption and Differential Privacy for Secure Cyber-Attack Detection	Dr. D. Raghunath Kumar Babu, Sharabu Rakesh, Boya Narasimhulu, Chenna Madan Kumar
1193	VoEyeBoard: A Voice and Eye controlled Virtual Keyboard	Jenavani D, Janice Karen Petra K, Deepa R
1248	Federated Hybrid Learning for Decentralized Data Governance and Privacy Preservation in Cloud Environments	Rohit Yallavula, Ravindra Putchakayala, Dr. B. Jegajothi
1236	Lightweight and Real-Time Deep Learning Models for Fetal Head Segmentation: A Review of Techniques and Applications	P. Mahalakshmi, Aghila Rajagopal
1244	Applications of Artificial and Computational Intelligence in Women's Healthcare	Syed Akram Pasha, Dr. L. Lakshmanan, Dr. A. Nagalaxmi, N. Srimathi, Dr. P. Gurusamy, S. Manikandan
1245	Bayesian Network-Based Decision Support for Eye Cancer Diagnosis and Treatment Planning	Dr. M. P. Revathi, Monikapreethi S K, Dr. Prema Krishnan, S. Murugan, Dr. D. Sasikala, Nithish Kumar R
1246	Real-Time Public Transit Route Adaptation using Multi-Agent Reinforcement Learning	Naresh Gupta Darisa, Dr. V. Amirthalingam, Dr. R. Meenakshi, Dr. Pregya Poonia, Dr. A. Mythili, S. Murugan
1278	Autonomous Sensor Networks: Future of WSNs with Neural Network Implementations	James Deva Koresh Hezekiah, J. Vijitha Ananthi, P. Kanaga Priya, Palanichamy Naveen
1127	A Dynamic Performance of Energy-Efficient Multi-UAV Coordination Scheme for UAV-Assisted IoT Networks	Rajashekar A, Dharamendra Chouhan
1105	Deep Learning-Based Weather Classification using VGG19: An Experimental Study	V Sumalatha, Soumyasis Das, Saurabh Fulara, Chandra Kishore
490	SGA: Intelligent Metaheuristic Algorithm for Task Scheduling in Cloud Environment	K Venkateswarlu, C Manjunath, A Umarani, Aggu Srujana, Aluvala Persis, Santhosh Kumar Medishetti
518	EPCA: A Bio-Inspired Approach for Sustainable Task Scheduling in Edge Computing Environments	Santhosh Kumar Medishetti, J Pavan Kumar, Konda Anil Kumar, Chinkoti Bhagya Sree, Aloor Raghavendra, Koripelly Srinath
753	FDA: Enhancing Edge Computing Performance through Multi-Objective Task Scheduling	Santhosh Kumar Medishetti, Bonkuri Durga Prasad, Mahindraker Vijayakanth, Chennamaneni Shilpa, Gurram Venkata Anusha, Bejagam Chandu

Session – 7: Technical Presentations

Day 3 – 03.12.2025 (Tuesday)

Time: 1.00 PM – 3.00 PM

Paper ID	Title	Author Details
315	Machine Learning-Based Classification of Transmission Lines Faults Using Radial Basis Function Neural networks	Soham Suryawanshi, Omkar borhade, Satwik Panda
734	Deep Neural Network Models for Multi-Class Fetal Health Classification by Using a Genetic Algorithm and SMOTE-Augmented Approach	Vigneshwaran N, Dr. R. S. Latha, Navbila K, Sridhar S, Ramya K
813	Contrastive Incremental Learning Enabled U-Net- Based Segmentation Model for Vegetation Classification Using Remote Sensing Images	Sandeep, Dr. Shashidhar Sonnad
856	IncHS2: Incremental Learning-Enabled Hybrid Attention-Based Deep Learning Model for Land Use and Land Cover Segmentation Using Remote Sensing Images	Pawan kumar C Patil, Shashidhar Sonnad
915	TRANSFORMER FAULT DETECTION SYSTEM BASED ON VIBRATION PATTERN USING XGBOOST ALGORITHM	Sophia Jasmine G, Divyashree R, Harinitha R, Sarvesh K
904	Multi-Task Learning for Fine-Grained Emotion and Sentiment Classification: A Comparative Study of Recurrent and Transformer Architectures	Aleena Saji, Vignesh Rajkumar,Sujitha Juliet
971	Optimizing Machine Learning Classifiers for Software Defect Prediction Using GridSearchCV	Sai Krishna Gunda, Ravi Kumar S
1207	Secure Data Governance in JavaScript-Driven Web Systems Using Blockchain-Based Hybrid Federated Learning	Ravindra Puthakayala,Rohit Yallavula,Dr.B.Jegajothi
839	Deep Learning-Based Object identification in Ocean Environment by Convolutional Neural models	Omprakash Gurrapu, Pruthvi Kaluvala
1238	NSOA: User-Centric Interference-Aware Load Balancing in Cloud Computing Environment	C Veena, Sunitha Kamireddy
1250	AIDONOR: Offline Organ Donation Management System for Reliable Donor-Recipient Matching	C Veena, Sanganaboyana Ramalakshmi
1103	Deep Learning-Based Classification of Satellite Images Using Fine-Tuned DenseNet201	Srinivas Aluvala, Bhoomika, Stuti Bhatt, Alankrita Joshi
1218	A Digital Reminder Solution for Advancing Medical Adherence through SMS Automation Using Rule-Based Scheduling, Triggering, and Scheduled Expiry Purge Algorithm	Ms. A. Gomathy, Shree Harinesh
1241	PlantHealthNet: An Efficient CNN Model for Disease Diagnosis and Pesticide Recommendation	Kampelly Shilpa, Marriboyana Sudhakar
1261	A Survey on Task Scheduling in Cloud Computing: Techniques, Simulation Tools, And Applications	Rajani Bandaru, Tarana Singh
923	BKA: A Nature-Inspired Approach for Intelligent Task Scheduling in Cloud Environment	Gugulothu Devibai, Rajani Bandaru, K Anusha, C Keerthi, J Pranathi, J Ashrith
441	GTOA: Energy-Efficient and Reliable Task Scheduling in Cloud Computing Environments	Santhosh Kumar Medishetti, Manasvi Agrawal, Narayanpet Abhinav, T Sujith Reddy, D Akash, Narmala Vineeth Kumar