

Conference Agenda			
Day 1 : 27th November 2025			
Activity		Time	Location
Registration & Arrival Welcome Tea/Coffee		8.30 AM -10.00 AM	Ground Floor- Registration Desk
Inauguration & Keynotes		10.00 AM - 12.00 PM	Ground Floor - Auditorium
Networking Lunch		12.00 PM - 1.00 PM	2nd Floor - CAA Room
Technical Sessions			
Technical Session -I			
Time: 1.00 PM - 2.45 PM Location: Second Floor - 217			
Session Chairs		Dr Amjad Gawanmeh	Dr Sajid Saleem
SN	Paper ID	Title of the Paper	Author(s)
1	262	Swarm Intelligence for Edge Microservices: Bio-Inspired Algorithms for Dynamic Service Distribution	Piyush Maheshwari
2	155	The role of Artificial Intelligence and Big Data in reviewing the livability of streets	Senthil M
3	61	AI Inclusion in Software Engineering Education and Employability: A Decisive Investigation	Kamta Nath Mishra
4	263	Classification of Canine Dermatological Diseases Using YOLOv12 with R-ELAN	Gouranga Mandal
5	267	Automated Glaucoma Diagnosis from Fundus Images Using an Improved 2D-VMD Framework	Deepak Parashar
6	268	An IoT-based Healthcare System and Hybrid Deep Learning Model to Early Diagnose Chronic Kidney Disease	Gnanajeyaraman Rajaram
7	273	Driver Drowsiness Detection System by Monitoring Blink Duration and Heart Rate Variability	Ahmad A. Jiman
8	243	Pioneering Healthcare Diagnostics: Federated Learning and Neural Radiance Fields in Medical Image Processing	Saira Banu J
9	74	An Optimized, End-to-End AI Pipeline for Dyslexia- Assistive Handwriting Analysis on a Raspberry Pi 4	Kishore Kumar
10	292	Investigating Leakage of Sensitive Information In LLM-Powered Chatbots	Ayesha Shakeel
11	299	AI-Based Cancer Survival Prediction in UAE Patients	Mohammed Fakrudeen, Amala Rajan and Jim Otieno
Technical Session -II			
Time: 1.00 PM - 2.45 PM Location: Second Floor - 218			
Session Chairs		Dr Ashutosh Mishra	Dr Anand Kumar
SN	Paper ID	Title of the Paper	Author(s)
12	136	Enhanced Feature Selection in Cybersecurity Based on Quantum-Genetic Firefly Optimization	Gnanajeyaraman Rajaram
13	56	Enhancing skin cancer diagnosis using ensemble based deep learning models with Explainable AI	S. A. Amutha Jeevakumari
14	327	A Hybrid AI Model for Health Data Analysis and Disease Prediction Using Wearable Technology	Shohoni Mahabub
15	77	Exploring Deep Neural Architectures for Skin Lesion Detection and Classification	Pratik Gulab Dhange
16	84	Multi-Class Detection of Humanized AI Text Using Machine Learning and Transformer Models	Batyr Sharimbayev
17	85	Optimizing Cloud Service Selection for Performance with Hybrid Meta-Heuristic Search and Deep Belief Networks	Sandeep Bharadwaj Mannapur

18	91	Featherweight AI: Deploying Resource-Efficient Deep Learning Models on the Edge of 6G	Gnanajeyaraman Rajaram
19	135	Coherent Restoration of Children's Stories from Incomplete and Distorted Inputs with Large Language Model	Matan P
20	93	Time-to-Crash Forecasting with Survival Deep Learning: Dynamic Hazard Prediction for Proactive Traffic Safety	Esraa Alqasmy
21	168	Leveraging Federated Learning with XGBoost for Secure and Privacy-Preserving Hemochromatosis Diagnosis in Distributed Healthcare Systems	Kathiravan M

### Technical Session -III

Time: 1.00 PM - 2.45 PM Location: Second Floor - 219

Session Chairs		Dr. M. Kathiravan	Dr Maher Alndiwee
SN	Paper ID	Title of the Paper	Author(s)
22	106	Edge-AI-Enabled IoT for Real-Time Remote Patient Monitoring	Bimol Chandra Das
23	107	Reimagining enterprise systems AI-centric integration of workday with legacy and cloud platforms	Monu Sharma
24	109	Deep Q-Learning Driven Dynamic Optimal Task Scheduling for Cloud Computing Using Optimal Queuing	Rahul Chauhan
25	111	Temporal Topic Modeling and Multi-Topic Inference- A Bibliometric Analysis of Methods and Applications	Ketaki Bhaskar Mali
26	112	NLP-Based Investigation of Textual and Semantic Cues in Fake News Identification	Sachin Ashok Shinde
27	114	Analysis of Machine Learning and Deep Learning Approaches for Stock Market Time Series Forecasting.	Ajitkumar Bharatrao Kadam
28	115	Advances in Code Review and Bug Detection Using NLP	Sudhir Manikrao Thombre
29	357	Tranquil Touch: Smart Gloves for Anxiety Management	Archana Pandita
30	331	Fake Tweets Detection using BiLSTM with GloVe Embedding	Zenab Elgamal
31	90	A Deep Reinforcement Learning Framework for Dynamic Smart Grid Optimization in Urban Environments	Gnanajeyaraman Rajaram
32	127	Data Mining and Deep Learning Hybrid Framework for Predicting Social Network Misinformation Using Deep Neural Networks(DNN)	Gnanajeyaraman Rajaram
33	166	Comparison study on Cardiovascular risk assessment using a Machine Learning	R. Prasanthi Kumari and Mahaveerakannan R

### Technical Session -IV

Time: 1.00 PM - 2.45 PM Location: Second Floor - 220

Session Chairs		Dr Vilas H Gaidhane	Dr Aafreen Arif
SN	Paper ID	Title of the Paper	Author(s)
34	325	Evolution of the SIR Model: From Classical Epidemics to Complex Network and AI-Integrated Systems	Aasif Aftab
35	305	An Optimal Serverless Cloud Computing Framework for Large-Scale Remote vSensing Data Analysis	Rahul Chauhan
36	66	Innovative Islamic Banking — An Examination Research for An Inclusive Future	Fayaz Ahamed
37	376	Examining the economic impact of AI replacing or augmenting human roles; The Role of HR in Strategic Labour Management	Rajneesh Mishra
38	215	The Smart Shift: Generative AI and the Rise of Human AI Productivity	Sumaiya Thaseen and Benita Veronica
39	223	Integrating Society 5.0 with Sustainable Finance: A Human-Centered Model to Address Global Challenges and Unlock Opportunities	Adel Ahmed
40	245	Assessing RAG: A Comprehensive Review of Evaluation Frameworks	Inaya Imtiaz Khan
41	253	Interactive QR Tourism System using gTTS & Groq	Vinod Kumar Shukla
42	271	Architectural Pedagogy in the Age of Artificial Intelligence: A Case Study on Integrating AI into the Core Programming and Design Education Course	Khlood Khalid Hassan
43	272	Gen Z and eSports Smart Tourism: Redefining Digital Engagement and Future of Experiential Travel in the GCC	Qamarunnisa, Elena Accamma Abraham and Reena George

Technical Session - V			
Time: 3.00 PM - 4.45 PM Location: Second Floor - 221			
Session Chairs		Dr Benita Christopher	Dr Archana Pandita
SN	Paper ID	Title of the Paper	Author(s)
44	167	Enhancing Alzheimer's Disease Detection with a Fine-Tuned EfficientNetB3 Model on MRI Image	Ashish Kumar Singh
45	170	Automated Coffee Bean Recognition and Roast-Level Classification via Residual Neural Networks	Ashish Kumar Singh
46	183	AI-Driven Pneumonia Detection: Evaluating CNN Models on Pediatric Chest X-Rays	Tulasi Rayasa
47	184	Optimizing Early Detection of Chronic Kidney Disease Using TabNet: A Feature-Aware Approach Against Conventional Deep Learning Models	M Kathiravan
48	306	Jointly Optimized QoS Aware Job Scheduling and Resource Management in Cloud Computing to Deep Graph Convolutional Neural Network	Rahul Chauhan
49	89	Integrating Digital Twin and Random Survival Forests for Predicting Fatigue Behavior in Material	Gnanajeyaraman Rajaram
50	92	XGBoost for Predictive Green Manufacturing: Optimizing Resource Utilization and Waste Reduction in Digital Twins	Gnanajeyaraman Rajaram
51	288	SmartFit: A Computer Vision-Based AI Trainer for Real-Time Exercise Monitoring	Ebraheem Alrawi
52	232	Comparative Evaluation of XGBoost and Naive Bayes Algorithms for Accurate Diagnosis of Hemochromatosis	M Kathiravan
53	233	Harmonic Intelligence: Edged AI for Emotion Mapping and Music Personalization	Terrance Frederick Fernandez
54	237	Explainable Deep Learning for Identifying Neuropsychiatric Disorders from fMRI Data	Pandiaraj S and Premnath K
55	332	Leveraging AI and Data-Driven Policy Frameworks for Sustainable Smart Cities: UAE Vision 2031 Perspective	Alavikunhu Panthakkan
Technical Session - VI			
Time: 3.00 PM - 4.45 PM Location: Second Floor - 220			
Session Chairs		Dr Khyati Marwah	Dr Sajid Saleem
SN	Paper ID	Title of the Paper	Author(s)
56	279	Bringing Explainability to Robo-Advisors: A Hybrid AI-Finance Decision Support System for Retail Portfolio Management	Shaista Alam
57	287	The Role of AI Governance in Digital Forensics: A Framework for Ethical and Reliable Investigations	Moza Kudonu
58	295	Algorithmic Surveillance and the Erosion of Privacy: Reconciling National Security and Human Rights in the Digital Era – A Comparative Study of the USA and UAE	Arifa Zahra
59	379	ESG, Corporate Sustainability and Regulatory Compliance: A Unified Model for Digital Governance	Jithesh Thilak
60	308	Adoption of Interactive Learning Tools in Higher Education: Insights for an AI-Driven Future	Sanjay Kumar Tyagi
61	312	A Blockchain-Based Approach to Enhancing Traceability and Transparency in the Supply Chain	Amjad Gawanmeh
62	318	The interaction of generative artificial intelligence with computational intelligence on the knowledge economy: A text mining approach	Suchi Dubey
63	350	Demanding Role of Digital Technology in Transforming Economy	Heena upadhyaya and Jhanvi Upadhyay
64	368	Mycelium-based Composites: A Review of Sustainable Building Blocks as a Construction Material	Salma Al Zahabi
65	373	RGBW sensors in visual storytelling: bridging technical innovation and artistic expression	Seema Sangra
66	152	AI-Driven Blockchain-Enabled Multihospital Authentication System of IoMT with Dynamic Risk-Adaptive Unrestrictive Access	Gnanajeyaraman Rajaram
67	154	Edge-IoT Facilitated Multimodal Sensor Fusion for Threat Recognition in Women's Safety Wearables	Gnanajeyaraman Rajaram

**Technical Session - VII**

**Time: 3.00 PM - 4.45 PM Location: Second Floor - 219**

Session Chairs		Dr Vishwesh Akre	Dr D C Sharma
SN	Paper ID	Title of the Paper	Author(s)
68	126	Defect Identification in Industrial Manufacturing Processes Using Convolutional Neural Networks (CNNs)	Gnanajeyaraman Rajaram
69	149	Drone-Assisted Deep Learning Framework for Aquatic Weed Detection and Water Quality Assessment	Suseela Sellamuthu
70	178	MMTx Data Fusion using Self-Supervision Optimisation for Smart Irrigation Systems	Gnanajeyaraman Rajaram
71	241	Similarity Reasoning in Design Engineering Ontologies: A Conceptual Framework	Ilinca-Laura Burdulea
72	333	Predictive modeling of risk and resilience in student progression from provision structures	Alavikunhu Panthakkan
73	254	Next-Generation Predictive Maintenance: Transforming Oil & Gas with IoT-Driven Deep Learning and Industry 5.0 Innovations	Rajesh Sivaraman Iyer
74	260	Steady State Responses and Energy Detection of an Additive Stochastically Resonant Noise Spectrum Sensing System for DySPAN Cognitive Radios	Shastri Jayram
75	266	Natural Eyebrow Pomade using Carbon Nanoparticles and Nanopreservative	Shwetha Sajeev and Reshmi Nair
76	270	Harnessing Machine Learning for EMI Shielding Materials: State-of-the-Art Advances and Prospects Ahead	Steffy Sara Varghese
77	283	Structural Stability Assessment of Solar Panel Stands under Wind and Load Conditions	Naveen Chandrasekhar
78	324	Design and Analysis of Hexagonal Shaped Patch Antenna Structure for Defense Communication	Naveen K B

**Day 2 : 28th November 2025**

<b>Panel Discussion on AI vs AI: The Future of Cyber Defense and Offense — Technologies, Threats, and Careers</b>		<b>10.30 AM-11.45 AM</b>	<b>Venue: G07</b>
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**Technical Session - VIII**

**Time: 10.00 AM - 11.45 AM Location: Second Floor 219**

Session Chairs		Dr. B. N. Shobha	Dr Sajid Saleem
SN	Paper ID	Title of the Paper	Author(s)
79	259	Autonomous AI Agents for Personalized News Curation without Bias Reinforcement	Piyush Maheshwari
80	11	Trust Factors in Recommendation Systems: Systematic Review Using SPAR-4-SLR with Bibliometric and ADO Analysis	Ruhi Sethi and Shaista Alvi
81	207	An AI-Driven Framework for Adaptive Cybersecurity Risk Scoring	Kutub Thakur
82	239	A Hybrid Bit-Reordering and Permutation-Based Cryptographic Technique for Secure Communication	Yslam Orazov
83	256	Sustainable AI-Driven Fraud Detection Systems in the UAE Financial Sector Using Hybrid Random Forest and Isolation Forest Models	Dina Abdelnaser Kamal Mohammed
84	275	Phish Guard: Real-time Phishing Website Identification using Explainable Graph Neural Networks	Sajid Saleem
85	297	Obfuscated Malware Detection Using LightGBM on Runtime Forensic Features for Memory and Inference Efficiency	Vikram Kumar
86	264	A comparative study of the impact of dataset characteristics on deep learning based algorithms for emotion detection	Anand Kumar
87	300	Advanced DDoS Attack Detection in VANET Cloud Systems Using Secretary Bird Optimization and Machine Learning	Amjad Gawanmeh
88	307	Lightweight Deep-Learning for Cyber Threat Intelligence and Detection in Cloud Computing	Rahul Chauhan

Technical Session - IX			
Time: 10.00 AM - 11.45 AM Location: Second Floor 220			
Session Chairs		Dr Kavitha Rani	Dr Anand Kumar
SN	Paper ID	Title of the Paper	Author(s)
89	25	Enhancing Land Cover classification with Unsupervised Domain Adaptation and Vision Transformers for Multimodal Satellite Imagery	Krithiga R
90	70	Custom VLSI Framework for Real-Time Video Background Adaptation	Veerabhadra Swamy
91	24	Leveraging Digital Fashion Technology to Preserve Tradition and Foster Well-being	Richa Gupta
92	64	Predicting Intention to Continue as a Precursor to Habit Formation Through Persistent Use and Mental Clarity in Digital Mindfulness Apps	Nitya K Prasad
93	102	Portable Solar-Powered Desalination System	Ahmad A. Jiman
94	364	Enhancing Network Performance with SR-TE: A Comparative Study	Mahmud Milud Mansour
95	377	IoT-Driven Smart Homes and Smart Grids in Shinas, Oman: Architecture, Prototype Evaluation, and Realistic AC/DC Scenario Analysis	Rajalingam Arumuganainar
96	96	The Role of Smart Pallet Testing Technologies in Modern Logistics Systems	Ashok Chopra and Anita Rani
Networking Lunch		12.00 PM -2.30 PM	2nd Floor - CAA Room
Technical Session - X			
Time: 2.30 PM - 4.00 PM Location: Second Floor 219			
Session Chairs		Dr P. William	Dr Ramesh Vandanapu
SN	Paper ID	Title of the Paper	Author(s)
97	73	Profiling Remote Employee's Knowledge Sharing: An Integrated PLSEM-K means approach	C. Komathi
98	78	Integrating Design Thinking in Contemporary Design Curricula: A Qualitative and Quantitative Analysis of UAE Higher Education	Shlagha Agarwal
99	97	Intelligent Hybrid Mentoring: A Tech-Integrated Model for Personalised Career Guidance	Radhika Garg
100	104	BondReco – A Responsible AI Solution for 401(k) Investments	Rakesh TS
101	65	Tourism in the 6G Era: Intelligent Networks and Immersive Experiences for Dubai Travelers	Sachin Kumar
102	302	Exploring the AI-powered Mobile Augmented Reality Acceptance Among Emirati Shoppe	Damodharan Varadarajan Sowmya
103	148	Role of Social Media Influence, Peer Pressure, and Emotional Well-being in Healthy Eating Behavior	Deepika Gaur
104	175	Design and Evaluation of a Modular AI System for Court Decision Analysis	Richard Marko
105	187	Impact of Rising Rent on the Rental Decisions of UAE Residents	Swapna Nair
106	191	Developing a Conceptual Model for Clinician Adoption of Mobile App in Palliative Care	Elroy Merwyn Monis
Technical Session - XI			
Time: 2.30 PM - 4.00 PM Location: Second Floor 220			
Session Chairs		Dr Jagadish Nayak	Dr Vinod Shukla
SN	Paper ID	Title of the Paper	Author(s)
107	335	Advances in Deep Learning for Early Detection and Diagnosis of Parkinsons Disease	Ashwini A Patil
108	36	Harnessing Deep Learning for Enhanced Climate Change Prediction: A Comparative Analysis of Advanced Neural Network Architectures	Chinnu Mary George
109	110	Deep Learning Approaches for Grape Leaf Disease Detection – Challenges and Future Directions	Dinesh Bhaskar Ghorpade
110	171	ResNet-Based Deep Convolutional Model for Automated Corn Leaf Disease Classification	Ashish Kumar Singh

111	172	Advancing Grapevine Leaf Classification through Transfer Learning: A Fine-Tuned VGG19 Deep Learning Approach	Ashish Kumar Singh
112	231	Bus Travel Time Prediction Under Data Constraints: A Lightweight Deep Learning Approach	Rakhimzhanov Daniyar Armanovich and Aigerim Mansurova
113	235	Design and Development of Novel Reusable Shoe Sole Using Piezoelectric Materials for Green Energy	Deepak Parashar
114	119	Spectrogram-Enhanced 2D CNN with Temporal Windowing for Motor Imagery EEG	Ashima Kalra

**Technical Session - XII**

**Time: 2.30 PM - 4.00 PM Location: Second Floor 221**

Session Chairs		Dr Kamta Nath Mishra	Dr Chetna Nagpal
SN	Paper ID	Title of the Paper	Author(s)
115	63	Beyond the Smile, Emojis in AI, Investigation & Data Security	Sailaja Vadlamudi and Macaire Odalis Reddy Dara
116	76	AI-Driven Security Model for Continuous Threat Detection Using Optimal Feature Analysis in Enterprise Cloud Finance Platform	Harpreet Kaur
117	88	Evaluation of AI's Cross-domain Reasoning in Cybersecurity and Human Behaviors with ViolentUTF	Tam N. Nguyen
118	108	AI-Driven risk assessment in digital finance using feature optimization deep Q learning	Sagar Vishnubhai Sheta
119	113	Artificial Intelligence for Detecting and Classifying Deceptive Emails- ASystematic Review and Synthesis.	Ganesh Machhindranath Jadhav
120	362	PE Malware Detection Using Neural Networks	Archana Pandita
121	137	Lightweight Evaluation of Adaptive Security Encryption Prot	Gnanajeyaraman Rajaram
122	311	A Comprehensive Benchmarking Analysis of Intrusion Detection for Internet of Medical Things Using CICIoMT2024	Amjad Gawanmeh
123	319	Resilient Smart Grid Communication under Cyber Attacks	Rafe Alsalem
124	354	Technical validation of brain computer interface for criminal investigations: iCognitive technology in UAE	Aby Joseph

**Technical Session - XIII**

**Time: 2.30 PM - 4.00 PM**

Session Chairs		Dr Kunal Mishra	Dr Amarnath Mishra & Dr Apurv Yadav
SN	Paper ID	Title of the Paper	Author(s)
125	19	Identification of Homogenous Ball Ink Modified Handwriting Using a Stereomicroscope and Particular Image Enhancement Software	B. K. Sharma
126	31	Natural Language Processing Model 'QC-MINDNet' for Queer Sentiment Analysis as an early warning system for suicide risk	Shreya Rawat
127	212	Hybrid Machine Learning Framework for Early Detection of Fetal Brain Anomalies Using MRI and Texture Feature Analysis	Arbind Kumar Choudhary
128	117	ForestGuard: Edge-AI Powered Poaching Prevention and Anomaly Detection in Remote Reserves	Anuradha Yenikar
129	157	AI-Driven Image Enhancement of Fingerprint developed through Eco-Friendly Calcium Carbonate based SPR on Water Immersed Substrate	Megha Walia
130	27	Optimization of Home Energy Management System at Peak Hours using Meta Heuristic Algorithm	Aziza I Hussein
131	181	AI-Driven Authentication and Blockchain-Enabled Access Control in Healthcare Systems: A Comprehensive Survey	Ramandeep Kaur
132	221	Need and Limitations of Central Banking Intervention in Exchange Rate Management - A Case Study of the Indian Central Bank	Anupam Mehrotra
133	234	A Reinforcement Learning Framework with Comparative Analysis for SEO and Voice Search Optimisation in Digital Marketing	Vikash Kumar
134	52	Attention-based Models for Multiclass Classification of Diabetic Retinopathy	Prabhleen Kaur
135	247	Parkinson's Disease Prediction Using Machine Learning and Deep Learning: An Explainable AI Analysis Using SHAP	Divyansh Garg

**Technical Session - XIV****Time: 2.30 PM - 4.00 PM****Session Chairs****Dr Jayanthila Devi****Dr Rakesh Nath Tiwari & Dr Apurv Yadav**

<b>SN</b>	<b>Paper ID</b>	<b>Title of the Paper</b>	<b>Author(s)</b>
136	250	Energy-Efficient UAV Networks in 6G-IoT for Sustainable Smart Cities	Priyanka Mishra
137	280	A Comparative Analysis of ICT-Enabled Information Management Systems in Educational Environments	Harsh Purohit
138	67	Scalable MultiObjective Cloud Task Scheduling Using XGBoost and Gravitational Search	Sudhakar reddy narra
139	321	Leveraging AI in Regulating Insurance Fraud	Shikha Awasthi
140	213	Deep Neural Network with Target Network for Location-Based Optimal Fog Resource Allocation in Smart Healthcare	Abhishek kaushik
141	328	Loss Minimization in Direct Torque Controlled Induction Motor Drives	Abhisek Pal
142	54	Deep Learning-Driven Privacy Preservation Framework for Trustworthy Mobile and IoT User Experiences	Hemant Soni
143	334	A Hybrid Ensemble SMS Spam Detection System through Weighted Soft Voting	Jackson Samuel Ravindran
144	355	Nyaya Sathi: A BNS-Aware Legal Assistant	Prashant Trivedi
145	105	Comparative Analysis of Document Similarity Models: A Hybrid TF-IDF + BERT Pipeline for Scalable (Cross-Lingual) Plagiarism Detection	Dinara Kaibasova
146	370	AI-Augmented Leadership: AI Role in Transforming Organizational Decision-Making	Rakesh Gupta and Bhopendra Singh
<b>Valedictory Function</b>		<b>4.15pm - 5.00pm</b>	<b>Auditorium</b>