



CONFERENCE SCHEDULE

DAY-1: Wednesday 1st April 2026

Time GMT+3	Session	Program	Duration
09:00		Welcome & Virtual Lobby	60 minutes
10:00	Opening Session	National Anthem and Welcome (Emcee - Ms Deena Radhi)	5 minutes
10:05		Speech by HE Dr Mohamed bin Mubarak Juma , Minister of Education Chairman of the Board of Trustees of the Higher Education Council	10 minutes
10:15		Welcome speech by Dr Hasan Almulla , President of University of Technology Bahrain	10 Minutes
10:25		Speech by the Conference Chair Prof. Husham M. Ahmed	05 minutes
10:30		Keynote Speaker: Prof. Ayman EL-Refaie President, Chair of IEEE Industry Applications Society – USA Topic: Energy Conversion for a Sustainable Future: Revived Role of Power and Energy	25 Minutes
10:55		Strategic Partners Acknowledgements	10 minutes
11:05			Break
11:15 - 12:45	Plenary Session	Keynote Speaker: Ahmed Saleh AlBalooshi Managing Director, Consultant, & Instructor Fintech ICT Consultations Topic: Artificial Intelligence Reshapes the Future of Education	25 mins of presentations + 5 min of Q&A
		Keynote Speaker: Dr. Iliia Sholin , Intelligent Stream of Technology & Open Knowledge (ISTOK LLC), Russia Topic: Hydrogen Energy: Technologies, Strategies, and Current Challenges	
		Keynote Speaker: Dr. Shahbaz Pervez Chattha , Program Chair, Applied Information Technology, Whitecliffe, New Zealand. Topic: Bridging the Gap: How Spatial AI is Forging the Future of Healthcare, Cybersecurity, and Digital Transformation	
12:45		Break	45 minutes
13:30 - 15:00	Session 1	Track 1 Presentations - Track: AI in Healthcare & Medical Informatics	10 min of presentations + 5 mins Q/A
		Track 2 Presentations - Track: IoT, Cybersecurity & Smart Systems	
		Track 3 Presentations - Track: Renewable Energy & Environmental Sustainability	
		Track 4 Presentations - Track: Robotics, Control & Industrial Automation	
		Track 5 Presentations - Track: AI, Data Science & Cloud Computing	
		Track 6 Presentations - Track: Civil & General Engineering	
		Track 7 Presentations - Track: Information and Communication Technology	
15:00		Break	10 minutes
15:10 - 17:00	Session 2	Track 1 Presentations - Track: AI in Healthcare & Medical Informatics	10 min of presentations + 5 mins Q/A
		Track 2 Presentations - Track: IoT, Cybersecurity & Smart Systems	
		Track 3 Presentations - Track: Renewable Energy & Environmental Sustainability	
		Track 4 Presentations - Track: Robotics, Control & Industrial Automation	
		Track 5 Presentations - Track: AI, Data Science & Cloud Computing	
		Track 6 Presentations - Track: Education, Language & Social Sciences	
		Track 7 Presentations - Track: Information and Communication Technology	
17:00 END of Day 1			

DAY-2: Thursday 2nd April 2026

Time GMT+3	Venue	Program	Duration
10:00 - 11:30	Plenary Session	Keynote Speaker: Prof. Dr. Rahmita Wirza O.K. Rahmat Former Professor in Computer Graphics - Faculty of Computer Science and Information Technology, Universiti Putra Malaysia. Director of CASD Innovate Sdn Bhd Topic: AI-Driven Multimodal Cardiac Imaging for Precision Cardiology Across Echocardiography, Angiography, and CTA	25 mins of presentations + 5 min of Q&A
		Prof. Dr Selvakumar Manickam Director, Cybersecurity Research Centre (CYRES) University Sains Malaysia, Malaysia Topics: Defending the Digital Frontier: AI at the Frontlines of Cybersecurity	
		Keynote Speaker: Professor Sylvester Arnab , Centre for Post digital Cultures (CPC), Institute for Creative Cultures, Coventry University. United Kingdom Topic: Purposeful Play: Community-Engaged by Design	
11:30		Break	10 minutes
11:40 - 13:40	Session 3	Track 1 Presentations - Track: AI in Healthcare & Medical Informatics	10 mins of presentations
		Track 2 Presentations - Track: IoT, Cybersecurity & Smart Systems	
		Track 3 Presentations - Track: Renewable Energy & Environmental Sustainability	
		Track 4 Presentations - Track: AI, Data Science & Cloud Computing	
		Track 5 Presentations - Track: Education, Language & Social Sciences	
		Track 6 Presentations - Track: Information and Communication Technology	
		Track 7 Presentations - Track: Environment and Natural Sciences	
13:40		Break	45 minutes
14:25 - 16:00	Session 4	Track 1 Presentations - Track: General Engineering & Applied Sciences - I	10 mins of presentation
		Track 2 Presentations - Track: IoT, Cybersecurity & Smart Systems - I	
		Track 3 Presentations - Track: AI, Data Science & Cloud Computing	
		Track 4 Presentations - Track: Information and Communication Technology -I	
		Track 5 Presentations - Track: General Engineering & Applied Sciences - II	
		Track 6 Presentations - Track: Information and Communication Technology - II	
		Track 7 Presentations - Track: IoT, Cybersecurity & Smart Systems - II	
		Track 8 Presentations - Track: AI in Healthcare & Medical Informatics	
16:30	Main Lobby	Closing Remarks by Professor Sheroz Khan	

TECHNICAL SESSION SCHEDULE

DAY-1: Wednesday 1st April 2026

Session 1		
Presentations – Track: AI in Healthcare & Medical Informatics: Room 1		
Time	Paper ID	Paper Title
13:30	10	A Novel framework for Liver Diseases prediction with Hepatoblastoma, Angiosarcoma, and Intrahepatic Cholangio-carcinoma types
13:45	11	Deep Learning for Identifying Drug Repurposing Pipelines
14:00	12	Development of a Machine Learning Model for Identifying COVID-19 and the selecting the drug for the patient for the early recovery
14:15	31	Preprocessing-Free Tuberculosis Classification from Chest X-Rays Using EfficientNet Variants
14:30	33	Noninvasive Glucose Sensing Using Dual Quantum Cascade Lasers and Photoacoustic Spectroscopy
14:45	39	AI-Driven Examination of Normal/Polyp Endoscopy Images using Fusion of Deep-Features and LBP-Features
Presentations - Track: IoT, Cybersecurity & Smart Systems: Room 2		
13:30	6	Countering Cyber-threats in Education Sector of South Asia
13:45	67	A Review of Countermeasures for Single and Multiple Video Recording Attacks on Graphical Passwords
14:00	70	PHISHING EMAIL: SOCIAL ENGINEERING ATTACK SIMULATION ON RESILIENT SYSTEM
14:15	651	Design and Validation of a Smart Insulated Enclosure with IoT-Based Monitoring for Dental Compressor Noise and Thermal Control
14:30	654	Hybrid AI, ÆSDN Architecture for Energy-Efficient IoT Networks in Smart Cities
14:45	676	Comparative Study of Deep Neural Networks and Support Vector Regression for Joint Level Inverse Dynamics Analysis of a UR5 Robot
Presentations - Track: Renewable Energy & Environmental Sustainability: Room 3		
13:30	36	Optimization of PV Panel Yield Using Metaheuristic Eurasian Lynx Optimization Algorithm (ELOA)
13:45	40	An Empirical Analysis of Carbon Dioxide Emissions Based on Fossil Fuel Dependent Economy
14:00	46	Solar Powered Off-shore Micro Algae Farm
14:15	74	Machine and Deep Learning Models for Solar Power Forecasting in Arid and Semi-Arid Regions: A Comparative Review
14:30	130	Active Cooling and Passive Condensation Effects on Solar Still Productivity and Performance
14:45	297	Prediction Accuracy of Water Quality using Novel Artificial Neural Network over Improved Random Forest
Presentations - Track: Robotics, Control & Industrial Automation: Room 4		
13:30	20	Real-Time Simulation of a Pneumatic Cylinder Using a Digital Twin Approach
13:45	21	Fuzzy Inference System for Predictive Maintenance of Induction Motor: A Simulation Approach
14:00	393	Multi-Agent Deep Reinforcement Learning for Precision Trajectory Tracking with Energy Optimization in an Industrial Robotic Arm
14:15	592	Hybrid Smart Parking System Using YOLO-Based Vehicle Detection and Ultrasonic Sensor Integration
14:30	631	eSMARTEnv Integrated Platform for Real-Time Environmental Monitoring and Predictive Maintenance in Smart Industrial Facilities
14:45	633	Deep Reinforcement Learning Control for Trajectory Tracking of 2-DOF Helicopter Dynamics Using Twin Delayed Deep Deterministic Policy Gradient
Presentations - Track: AI, Data Science & Cloud Computing: Room 5		
13:30	73	The Impact of Artificial Intelligence Adoption on Sales Forecast Accuracy in Large IT-Services Companies in Saudi Arabia
13:45	430	Machine Learning, ÆDriven Analysis of UR5 Manipulator Dynamics Using Synthetic Simulation Data
14:00	433	Uncertainty-Aware Deep Learning for Automated Meat Freshness Classification Using MobileNetV2 and Monte Carlo Dropout
14:15	645	Generative AI in Mechatronics Engineering: A Mixed-Methods Investigation of Student Familiarity, Perceived Outcomes, and Implementation Challenges
14:30	18	Extensive Arithmetic Operations in P Systems
14:45	34	Advances and Challenges in AI Powered Question Answering Systems: A Comprehensive Review and framework
Presentations - Track: Civil & General Engineering: Room 6		
13:30	434	Python-Based Bilinear Analysis of RC Deep Beams Using Improved STM
13:45	567	Enhancing Accuracy of Depression Detection in Human Face by Comparing LSTM and CNN algorithms
14:00	640	Structural Design and Analysis of the, ÆHorizon Bridge, Æ: A Proposed Multi-Span Reinforced Concrete Deck Girder Bridge

14:15	659	Smart and Clean Production Technologies for Pandemic-Resilient Construction: A Review
14:30	653	A Sensor-Driven Smart Farming Platform with Communi-ty-Based Data Sharing for Urban Agriculture
14:45	394	Design and Experimental Validation of a Fuzzy Logic-Based Hydroponics System for Automated Nutrient Management
Presentations - Track: Information and Communication Technology: Room 7		
13:30	595	Smart Fridge Inventory & Expiry Tracker Using IoT
13:45	596	Smart Structural Monitoring System for Hospital Infrastructure Using IoT-Based Multi-Sensor Integration and Real-Time Alerts
14:00	597	Slipstream: An IoT-Based Indoor Air Quality Monitoring System with Machine Learning Calibration for Low-Cost Sensors
14:15	605	Transforming Supply Chain Management with Internet of Things: A Comprehensive Framework for IoT-AI-Blockchain Integration Aligned with Industry, Innovation, and Infrastructure
14:30	608	GrowSync: An IoT-Based Agriculture System for Small and Medium Farm
14:45	614	A Deep 3D CNN Framework for Spatiotemporal Crime Detection in Surveillance Videos
14:30 END of Session		

TECHNICAL SESSION SCHEDULE

DAY-1: Wednesday 1st April 2026

Session 2		
Presentations - AI in Healthcare & Medical Informatics: Room 1		
Time	Paper ID	Paper Title
15:10	79	A Governed and Privacy-Preserving AI Architecture for Next-Generation Smart Healthcare Systems
15:25	127	Blockchain-Enabled AI Robotic Care for Telemedicine and Smart Treatment Recommendations
15:40	136	Vibration Energy Harvesting in Aerospace: A Review of Technologies for Aircraft Health Monitoring Systems
15:55	427	TWO-DIMENSIONAL LINGUISTIC INTUITIONISTIC FUZZY BONFERRONI MEAN WITH APPLICATION TO MEDICAL WASTE TREATMENT
16:10	429	AI-Enabled Framework to Detect Disease in Fish for Smart Aquaculture
16:25	679	CloudMed-IDS: Intelligent Multi-Class and Zero-Day Intrusion Detection System for Healthcare IoMT
16:40	687	Interval Type-2 Fuzzy Logic Learning Rules-based Approach for Student, Ås Health and Wellbeing Assessment
16:55	697	Unveiling Facial Emotions: A Deep Dive into Recognition Technologies and Techniques
Presentations - Track: IoT, Cybersecurity & Smart Systems: Room 2		
15:10	390	Intelligent Adaptive Mechanisms for Dynamic Congestion Control and Real-Time Monitoring in IoT-Enabled (WSN)
15:25	398	Simulation-Based Decision Support for Fair and Efficient Case Assignment in Cybercrime Investigations
15:40	656	An Intelligent Emergency Management Multimodal Hybrid Injury Detection System for Smart Cities
15:55	680	5G Networks Resource Allocation Based on Artificial Intelligence
16:10	685	A Framework for the Development of an IoT-Based Smart Water Purification and Real-Time Monitoring System
16:25	706	Digital Twins: A Real-Time Feedback Framework for Cyber Ecosystem Security
16:40	54	Design of a Lightweight Framework for Secure IoT Firmware Updates
16:55	141	Agents for Agents: An Interrogator-Based Secure Framework for Autonomous Internet of Underwater Things
Presentations - Track: Renewable Energy & Environmental Sustainability: Room 3		
15:10	624	Parameters Influencing the Adoption of Solar Technologies in a Project Design among Computer and Engineering Students
15:25	634	Analyzing Dust Characteristics and Their Influence on Solar Panel Performance at Different Inclinations
15:40	677	In-Silico Screening of Metal-Receptive Proteins in Brevibacterium iodinum for Bioremediation of E-Waste
15:55	682	Optimizing Crop Selection with Machine Learning: Enhancing Agricultural Efficiency and Sustainability
16:10	22	Hybrid Machine Learning Approach for Carbon Credit Validation and Greenwashing Detection: Empirical Insights
16:25	397	Development and Characterization of Biodegradable Corn Starch Films Reinforced with Date Palm Seed Powder for Sustainable Packaging Applications
16:40	625	Innovative Solar Still Configuration Featuring Internal Condenser and Buffer Strip Mechanisms
16:55	407	Artificial Intelligence in Hybrid Cars: Sustainability of Car
Presentations - Track: Robotics, Control & Industrial Automation: Room 4		
15:10	672	Adaptive Current-Aware Dead-Time Control For Extended Zero Voltage Switching In Dual Active Bridge Converters.
15:25	678	Adaptive Yaw Rate Tracking Control of Road Vehicles Using a Hybrid PID, ÅRBF Neural Network Approach
15:40	75	Passive Tangential, ÅRadial Coupling based Frenet-Frame for Multi-Robot Formations with IT2AFPID and Online RBFNN controllers
15:55	131	Optimal Midcourse Guidance Law for Air-to-Air Missiles with Pulse Ignition Control Motor Based on Singular Perturbation Theory
16:10	396	Mid-Infrared Laser-Based Methane Sensor for Industrial Gas Monitoring Applications
16:25	639	Spatial Intelligence for Robotic Navigation Using Deep Learning and GIS Integration
16:40	652	EMG-Driven Prosthetic Hand: A Cost-Effective Solution with Arduino & ESP32
16:55	661	Adaptive Synergetic Control for DC Motor
Presentations - Track: AI, Data Science & Cloud Computing: Room 5		
15:10	62	Spatiotemporal Deep Learning for Urban Microclimate Forecasting: A Transformer-Based Framework
15:25	66	Survey of Frameworks and Design Patterns for LLM-Powered Agentic AI
15:40	71	NSAR: A Neuro-Symbolic Artificial Reasoning Framework for Universal Multilingual Intelligence

15:55	85	Assessment of Student Academic Performance in Science Subjects: A Data-Driven Analysis of Secondary Schools in Zanzibar.
16:10	88	School Bus Driving Model for Anomaly Identification Using Machine Learning and Aggregated Sensor Data from Dual Smartphones: A Study in Zanzibar
16:25	391	Enhancing IT Ticket Classification with ML-Based Text Feature Extraction
16:40	447	A Machine Learning Framework for Soil Fertility Assessment Based on Essential Macro and Micronutrients
16:55	628	Agentic AI Delegation UX: Designing Human-in-the-Loop Frameworks for AI-Initiated Payments
Presentations - Track: Education, Language & Social Sciences: Room 6		
15:10	164	Comparative Analysis for Student Performance with Decision Trees and Random Forests
15:25	517	The Impact of Multimedia on Communication, Education, and Social Media Information Dissemination
15:40	588	Impact of Dataset Quality on Machine-Learning Diagnosis of Alopecia: A Systematic Review and Meta-Analysis
15:55	618	Image-Level Deepfake Detection Using Hybrid Feature Selection and Soft-Voting-Stacking Ensemble Learning
16:10	622	Visual Deepfake Detection Using a Face Recognition-Augmented CNN-Random Forest Hybrid Approach
16:25	638	Governance-Constrained Agentic AI: Blockchain-Enforced Human Oversight for Safety-Critical Wildfire Monitoring
16:40	59	E-Learning System predictions on Student Performance and Engagement using machine learning
16:55	623	A Real-Time Dual-Stage Surveillance Framework for Weapon and Anomaly Detection Using YOLOv8 and Convolutional Autoencoders
Presentations - Track: Information and Communication Technology: Room 7		
15:10	58	Student Centered Perspectives on Artificial Intelligence Adoption in Rural higher Education: Evidence from Higher Education Institutions in Pakistan.
15:25	35	Generative AI- How safe is it for the Privacy of User's Data?
15:40	696	Building a Forensic Methodology for Attack Attribution on Compromised IP Camera Systems in New Zealand
15:55	133	Diabetes Prediction using Machine Learning Algorithms with Performance metrics and Holdout method on Egyptian dataset
16:10	128	Enhancing Capstone Project Quality through Human and AI-Assisted Writing Support: Evaluating the Effectiveness of the Writing Clinic Model
16:25	694	Ethical Considerations in AI Marketing: A Review
16:40	700	Ethical Governance in Decentralized Autonomous Organiza-tions: A Systematic Review and Research Agenda
16:55	47	Interactive Visualization Techniques for High-Dimensional Data Exploration in Scientific Research
17:00 END of Session		

TECHNICAL SESSION SCHEDULE

DAY-2: Thursday 2nd April 2026

Session 3		
Presentations – AI in Healthcare & Medical Informatics: Room 1		
Time	Paper ID	Paper Title
11:40	76	Offload Broker Packet Delivery and QoS Enhancement by Subscriber Cooperation in MQTT-Based Lossy IOT Networks
11:55	84	A Novel AI, Blockchain Framework for Intelligent Healthcare Innovation
12:10	91	AI-Powered VR Innovation for Immersive Healthcare Environments
12:25	95	AI-Powered Cloud-Based Healthcare Simulation Using Virtual Reality
12:40	655	Blockchain-Based Digital Forensics Framework for Healthcare Cybercrime
12:55	63	Integrating First-Order-Logic with Artificial Intelligence: A Novel Framework for the Development of Smart Based Ginger Plants, Disease Detection and Decision Support System
13:10	69	Diabetes Prediction Across Pediatrics Age Group in Egypt using Triangulation Methodology of Qualitative, Quantitative and Computational Methods for Machine Learning
13:25	699	A Simple and Reproducible Machine Learning Pipeline for Parkinson’s Disease Detection Using Smartwatch-Based Inertial Signals
Presentations - Track: IoT, Cybersecurity & Smart Systems: Room 2		
11:40	8	Development of a Blockchain-Based Trustworthy Crowdfunding Platform
11:55	23	Decentralized Trust Framework for Secure Data Exchange in Smart City IoT Networks
12:10	24	Blockchain-Assisted Federated Learning for Secure Location Analytics
12:25	25	AI-Driven Detection of GPS Spoofing Attacks in Intelligent Transportation Systems
12:40	26	Securing Smart Cities with AI: Intelligent Defense Against IoT-Based Cyberattacks
12:55	27	Location Privacy Preservation in 6G Vehicular Cloud Networks Using Blockchain and AI
13:10	77	A Review of Adaptive QoS Approaches in MQTT for Resource-Constrained IoT Devices
13:25	90	Risk-Aware Proactive Intrusion Detection with Adaptive Mitigation
Presentations - Track: Renewable Energy & Environmental Sustainability: Room 3		
11:40	55	Design and Implementation of a Solar-Powered Grass Cutter for Sustainable Landscaping
11:55	97	Scalable PV Panel Combiners for Reconfiguration and Mis-match Loss Reduction in PV Systems
12:10	701	An Integrated Framework for Community-based Reporting and Bio-Resource Conversion for Invasive Freshwater Fish Control in Agribusiness
12:25	446	Fuzzy Inference Modeling for Evaluating Marine Water Quality Using Physical Parameters
12:40	580	Enhanced Solar Radiation Detection Accuracy with Levenberg-Marquardt Backpropagation over Resilient Backpropagation
12:55	698	Enhanced Tumor Detection in Soft Tissues: A New Approach Combining Multiple Vibration Needle Frequencies
13:10	405	Detecting the Accuracy Rate of Waste Management in Fraud Systems by Comparing Support Vector Machine and Naive Bayes Classifier
13:25	607	Enabled Residential Solar EV Charging System with Data Analytics and Remote Access Control
Presentations - Track: AI, Data Science & Cloud Computing: Room 4		
11:40	649	Matrix-Aware Optimization for Neural Network Training: A Comparative Study of Classical and Modern Decomposition Methods with Real-World Validation
11:55	660	GWO-Optimized Machine Learning Models for Predicting Nitrogen Removal in SND-SBR
12:10	667	Machine Learning Techniques for Predictive Analysis of Water Conservation Management Systems
12:25	684	A Hybrid YOLOv5 and Attention Module to Detect and Recognise Faces in Uncertain Environments
12:40	686	Intelligent OCR-Driven Workflow Automation Using a Confidence-Based Task Transition Decision Model
12:55	78	A Comprehensive Review of AI-Based Real-Time Traffic Control Systems for Interconnected Urban Junctions
13:10	80	JEPA-Cloud: A Joint Embedding Predictive Architecture for Self-Supervised Resource Optimization in Cloud Computing Environments
13:25	140	LSTM-Based Temporal Encoding Integrated with Gradient Boosting for Predictive Analytics on Global Food Waste Trends and Socioeconomic Costs
Presentations - Track: Education, Language & Social Sciences: Room 5		
11:40	13	AI Mentor for Timely Equivalence Certification with Transformer Model Approach
11:55	30	AI Trends in Education: Opportunities, Challenges, and Ethical Concerns in Teaching, Learning, Assessment, and Governance
12:10	635	Bridging to Calculus: The Divergent Paths Shaped by Trigonometry Foundation

12:25	636	Using Heuristic Problem-Solving Approach in Learning Applied Problems in Trigonometry
12:40	644	Language Disparity in Multimedia Learning Technologies
12:55	647	French for the Future: Exploring Language Acquisition and Employability in International Business
13:10	705	Integrating Learning Theories and Technology for Effective Assessment of Students with Special Educational Needs in Higher Education
13:25	448	Students' Evaluation of Instructional Design in Higher Education: Input for Technology-Enhanced Instructional Framework
Presentations - Track: Information and Communication Technology: Room 6		
11:40	612	Hybrid Ensemble Machine Learning Framework for Reliable Detection of AI-Generated Text
11:55	613	Vision Shield: An AI-Driven Surveillance Network for Comprehensive Perimeter Protection
12:10	616	A Transformer-Driven Multimodal Framework for Real-Time Threat Detection in Surveillance Systems
12:25	617	A Hybrid Stacking Ensemble Framework for Analyzing the Impact of Daily Activities on Student Performance and Stress Level
12:40	619	Lightweight and Interpretable Machine Learning Model for Differentiating AI-Generated and Human-Written Text
12:55	620	A Lightweight Dual-Model Framework for AI-Generated Text Detection: SVM and MLP Integration for Adaptive Intelligence
13:10	183	Reliability Assessment of Vehicles by Predicting Mean Time To Failure and Mean Time Between Repair for Individual Vehicle Components Using ANN in Comparison with Digraph Approach
13:25	703	Unveiling the Code Crusade: A Deep Dive into Android Performance Optimization and Runtime Exception Resolution
Presentations - Track: Environment and Natural Sciences: Room 7		
11:40	33	Noninvasive Glucose Sensing Using Dual Quantum Cascade Lasers and Photoacoustic Spectroscopy
11:55	40	An Empirical Analysis of Carbon Dioxide Emissions Based on Fossil Fuel Dependent Economy
12:10	397	Development and Characterization of Biodegradable Corn Starch Films Reinforced with Date Palm Seed Powder for Sustainable Packaging Applications
12:25	429	AI-Enabled Framework to Detect Disease in Fish for Smart Aquaculture
12:40	44	Adoption Behaviour of Cryptocurrency: The UTAUT Framework Evidence (Moderating effect of gender in Pakistan)
12:55	128	Enhancing Capstone Project Quality through Human and AI-Assisted Writing Support: Evaluating the Effectiveness of the Writing Clinic Model
13:10	681	Electricity Price Forecasting using Long Short-Term Memory (LSTM) Neural Networks
13:25	410	Designing and prototyping an intelligent multifunctional agricultural robot that simplifies agricultural tasks.
12:30 END of Session		

TECHNICAL SESSION SCHEDULE

DAY-2: Thursday 2nd April 2024

Session 4		
Presentations - Track: General Engineering & Applied Sciences - I: Room 1		
Time	Paper ID	Paper Title
14:25	93	Economic Scenario Generation for Forward-Looking Risk Management in Indonesia: A VAR-Based Framework Integrating Macroeconomic Dynamics and Recession Regimes
14:40	96	LSR: A Neuro-Symbolic Framework and Benchmark for Cross-Lingual Reasoning between Malay and Sindhi
14:55	137	Towards Universal Multilingual Intelligence: Scalable and In-terpretable Neuro-Symbolic Cross-Semantic Reasoning in Low-Resource Maly-Sindhi Languages
15:10	662	Online Neural-Assisted Self-Tuning PI Control for Robust Congestion Regulation in TCP/AQM Routers
15:25	683	Applying D* Path Planning Algorithm Based on Modified C-Space Analysis
15:40	180	Improving Accuracy in HR Analytics Employee Attrition and Performance Using Random Forest Algorithm Compared to Decision Tree Algorithm
15:55	187	Improving User Excellence by Assessing Satisfaction through Quantitative Survey in Collaboration Checklist between IOS and Web Platforms for Higher Rating Accuracy
16:10	314	Flight Price Analysis Dashboard
Presentations - Track: IoT, Cybersecurity & Smart Systems - I: Room 2		
14:25	3	Meta-analysis of Compartment-Specific Selenium Biomarker Alterations in Parkinson's Disease
14:40	5	Real-Time Sentiment Analytics for Brand Controversies: A Big Data and NLP-Based Framework
14:55	14	Open-Source Software Adoption in Critical Sector IT Organization: An AHP-Based Systematic Method to Assess and Review Critical Factors
15:10	111	Artificial Intelligence and Schizophrenia: A New Era of Biotechnology-Enhanced Diagnostic Innovation
15:25	508	Leveraging Artificial Intelligence for Small Molecule Drug Discovery: Current Applications and Future Perspectives
15:40	87	Impact of Segmentation & Micro-segmentation in Network and Cyber Security
15:55	708	Interpretable HMM-Based Proactive Fault and Disaster Prediction in 6LoWPAN IoT-WoT Architectures for Telecom Data Centers
16:10	709	Retention Tailored Gamification for Cybersecurity Awareness through Structured Mapping and Reinforcement Architecture
Presentations - Track: AI, Data Science & Cloud Computing: Room 3		
14:25	189	Assessment of Rainfall Prediction Accuracy with Machine Learning Methods: Linear Regression Compared to Support Vector Machine
14:40	195	Prominent technique for Rainfall prediction using Novel XGBoost over CatBoost for improving the accuracy of prediction
14:55	200	Innovative technique for Rainfall prediction using Novel Random Forest over Decision Tree classifier for improving the accuracy of prediction
15:10	234	Enhancing Accuracy in Automatic Toxic Speech Detection using Novel AdaBoost and Naive Bayes Algorithms
15:25	282	An Efficient Prediction of Rainfall using Random Forest Algorithm comparing with Logistic Regression
15:40	523	Comprehensive Review and Comparative Analysis of Machine Learning and Deep Learning Algorithms for Wind Power Prediction
15:55	525	An Extensive Analysis of Deep Learning Models For Image Data Authentication
16:10	529	A Machine Learning-Based Framework for the Classification of Diabetes Risk
Presentations - Track: Information and Communication Technology -I: Room 4		
14:25	129	Cost Effective Automatic Confidential Information Detection & Securing (Enhance Data Security within the Organisation)
14:40	630	Blockchain-Enabled Secure IoT Framework for Resilient Smart City Infrastructure
14:55	637	A Zero-Trust Blockchain Architecture for Privacy-Preserving GIS Platforms
15:10	657	Zero-Trust Edge Computing Framework for 6G-Enabled IoT Systems
15:25	658	Post-Quantum Cryptography Integration in Cloud Security Models
15:40	690	Dissipative Particle Dynamics Modelling and Simulations for Formulated Products: Principles and Applications.
15:55	428	Theocentric Stewardship: Analysing Qur'anic Ecological Ethics as a Framework for Distributive Sustainability and Planetary Boundaries
16:10		

Presentations - Track: General Engineering & Applied Sciences - II: Room 5		
Time	Paper ID	Paper Title
14:25	403	Predicting Body Fat Based on Gender Using LightGBM Algorithm
14:40	440	Exploring the Scopus Bibliometric Dataset for Analysing the Structure of Detected Communities
14:55	533	Optimizing CO ₂ Emission Forecasting: A Performance Evaluation of KNN, Random Forest, Logistic Regression, and Naïve Bayes Classifiers
15:10	599	Smart Monitoring for Houseplants
15:25	602	Smart Bin
15:40	611	Comprehensive Dental Charting: Row-Based Localization and Gap Identification Technique
15:55	615	A Multimodal Audio-Visual Framework for Surveillance Video Summarization Using YOLOv8 and Rule-Based Fusion
16:10	621	Smart Surveillance: A Video Behavior Logic Approach for Automated Backpack Anomaly Detection
Presentations - Track: Information and Communication Technology - II: Room 6		
Time	Paper ID	Paper Title
14:25	535	Machine Learning-Based Framework for Road Accident Detection and Prevention
14:40	543	Academic emotions and AI: A New Era in Academic Success
14:55	550	AI-Driven Facial Recognition for Attendance Management
15:10	598	AI-Driven Job Market Intelligence: A Multi-Dimensional Analysis of Workforce Trends, Skills Demand, and Salary Dynamics
15:25	601	Artificial Intelligence-Based Risk Management Framework for Distributed Agile Software Development Aligned with Peace, Justice, and Strong Institutions Development
15:40	604	An Explainable Stacking Ensemble Framework for Predicting Sleep Disorders from Lifestyle Patterns with Real-World Insights
15:55	606	Hybrid Vision Transformer and CNN-Based System for Reliable Brain Hemorrhage Detection
16:10		
Presentations - Track: IoT, Cybersecurity & Smart Systems - II: Room 7		
Time	Paper ID	Paper Title
14:25	203	Improved accuracy in Accident detection system using Novel Support vector Machine compared with Convolutional Neural Networks
14:40	294	M-commerce Security Analysis: Automated Penetration Testing with MobSF
14:55	402	The Efficacy of Convolutional Neural Networks and Artificial Neural Networks in Picture Categorization
15:10	515	An Optimum Geometric Transformation Approach for Privacy-Preserving Data Mining (PPDM) in Big Data
15:25	586	NomNomNow – Smart IOT-based Food Locker System
15:40	590	EazyGo: An IoT-Powered Smart Trolley for Accessible and Predictive Retail Automation
15:55	593	WasteLess IoT System: An Intelligent Solution for Food Waste Reduction
16:10	594	An IoT-Based Smart Waste Monitoring System
Presentations - Track: AI in Healthcare & Medical Informatics: Room 8		
Time	Paper ID	Paper Title
14:25	445	Optimization of Sugarcane Diseases Identification using Novel Convolutional Neural Network Algorithm compared with K nearest neighbors Algorithm by Increasing Efficiency
14:40	530	High-Accuracy Common Disease Prediction Using Ensemble Machine Learning Classifiers
14:55	546	Predictive modeling and explainable AI for mental health treatment in the tech industry
15:10	549	Data-Driven Monitoring of Vegetation Health Using Machine Learning Techniques
15:25	556	Computer Aided Diagnosis for Chronic Skin Disease Detection
15:40	559	Enhancing Health Care Services Recommendation through Deep Learning
15:55	603	Deep Learning-Based Feature Engineering for Accurate Thyroid Disease Detection
16:10	610	NeuroCardioSync: A Real-Time IoT-Based Headband for Health Monitoring
16:20		
16:30 END of Session		
16:30 Closing Remarks by Professor Sheroz Khan		