CONFERENCE SCHEDULE
DAY-1: Wednesday 20th November 2024

Time	Venue	Program	Duration
08:00	**Reception room**	Onsite Registration	60 minutes
09:00	**Main hall**	Guests to be seated and opening of ICETAS 2024	05 minutes
09:05		Speech by HE **Dr Mohammed bin Mubarak Juma**	10 minutes
09:15		Welcome speech by **Dr Hasan Almulla**	05 Minutes
09:20		Speech by the Conference Chair **Prof. Husham M. Ahmed**	05 minutes
09:25		Speech by Honorary Keynote Speaker**: Dr. Eesa M. Bastaki** President, University of Dubai Topic: Future technologies towards a sustainable world	20 Minutes
09:45		Award distribution and photo session	15 Minutes
10:00		**Coffee Break**	**30 minutes**
10:30 – 12:00	**Main hall**	Keynote Speaker: **Prof. Helen Karatza** Department of Informatics, Aristotle University of Thessaloniki, Greece. Topic: Optimal Scheduling of Real-Time Applications in Cloud, Fog and Mist Computing Environments Current Status and Research Challenges.	(20 min of presentations + 5 min of Q&A)
		Keynote Speaker: **Ahmed Saleh AlBalooshi** Managing Director, Consultant, & Instructor Fintech ICT Consultations Topic: Artificial Intelligence Reshapes the Future of Education	
		Keynote Speaker: **Dr Shahbaz Pervez Chattha** Topic: Strategic Resilience in Cybersecurity: Governance, Defense, and Innovation in a Digital Age	
12:00		**Coffee Break**	**30 minutes**
12:30-2:30	**Room 1**	Presentations - Track: Machine Learning and AI	10 min of presentations + 5 mins Q/A
	Room 2	Presentations - Track: Data Science and Analytics	
	Room 3	Presentations - Track: Healthcare Technologies/ Environment and Sustainability	
	Room 4	Presentations - Track: Power Systems and electronics	
14:30		**Lunch Break**	**60 minutes**
15:30 17:30	**Room 1**	Presentations - Track: Renewable Energy	10 min of presentations + 5 mins Q/A
	Room 2	Presentations - Track: Robotics and Automation/ Smart Cities and IOT	
	Room 3	Presentations - Track: Information Technology	
	Room 4	Presentations - Track: Machine Learning and AI (Online)	
	Room 5 (Remote)	Presentations - Track: Engineering and Computer Technologies (Online)	
		17:30 END of Day 1	

* PLEASE NOTE: All times listed are in Bahrain Standard Time (GMT + 3)

DAY-2: Thursday 21st November 2024

Time	Venue	Program	Duration
09:00-10:30	**Main Hall**	Keynote Speaker: Dr Fateh Muhammad Marri Vice Chancellor, Sindh Agricultural University, Tandojam Topic: Status and potential of digital agriculture in Pakistan Keynote Speaker: Prof. Dr Sayan Kumar Ray Topic: Metaverse in the 6G Era: Recent Advancements and Challenges to Overcome Keynote Speaker: Prof. Dr. Noor Zaman Jhanjhia Topic: Cybersecurity issues and challenges in the era of Generative AI	2 (20 min of presentations + 5 min of Q&A)
10:30		**Coffee Break**	**30 minutes**
11:00 - 12:30	**Room 1**	Presentations - Track: Machine Learning and AI	10 min of presentations
	Room 2	Presentations - Track: Data Science and Analytics (Online)	
	Room 3	Presentations - Track: Cybersecurity and Networks (Online)	
	Room 4	Presentations - Track: Software and Programming/ Education Technologies (Online)	
	Room 5 (Remote)	Presentations - Track: Engineering and Computer Technologies (Online)	
12:30		**Coffee Break**	**30 minutes**
13:00 - 14:30	**Room 1**	Presentations - Track: Machine Learning and AI (Online)	10 min of presentation
	Room 2	Presentations - Track: Data Science and Analytics (Online)	
	Room 3	Presentations - Track: Cybersecurity and Networks/ Education Technologies (Online)	
	Room 4	Presentations - Track: Healthcare Technologies (Online)	
	Room 5 (Remote)	Presentations - Track: Engineering and Computer Technologies (Online)	
14:30		**Lunch Break**	**60 minutes**
15:30 - 18:00	**Room 1**	Presentations - Track: Machine Learning and AI (Online)	10 min of presentations
	Room 2	Presentations - Track: Data Science and Analytics (Online)	
	Room 3	Presentations - Track: Healthcare Technologies/ Engineering Technologies (Online)	
	Room 4	Presentations - Track: Power Systems and Electronics (Online)	
	Room 5 (Remote)	Presentations - Track: Engineering and Computer Technologies (Online)	
18:00	**Main Hall**	Remarks by Professor Sheroz Khan	
18:30 END of Day 2			

DAY-3: Friday 22nd November 2024
Venue: University of Technology Bahrain

Time	Venue	Program	Duration
9:00 – 11:00	Room 1	Presentations - Track: Machine Learning and AI (Online)	10 min of presentations
	Room 2	Presentations - Track: Data Science and Analytics (Online)	
	Room 3	Presentations - Track: Power Systems and Electronics (Online)	
	Room 4	Presentations - Track: Renewable Energy/ Robotics and Automation (Online)	
	Room 5	Presentations - Track: Computing (Online)	
	Room 6	Presentations - Track: Engineering and Computer Technology-I (Online)	
	Room 7	Presentations - Track: Engineering and Computer Technology-II (Online)	
	Room 8	Presentations - Track: Engineering and Computer Technology-III (Online)	
	Room 9	Presentations - Track: Machine Learning-II (Online)	
	Room 10	Presentations - Track: Artificial Intelligence-II (Online)	
	Room 11	Presentations - Track: Data Science and Analytics-II (Online)	
11:00		**Prayers and Lunch Break**	
13:00 - 15:30	Room 1	Presentations - Track: Machine Learning (Online)	10 min of presentations
	Room 2	Presentations - Track: Data Science and Analytics (Online)	
	Room 3	Presentations - Track: Smart Cities and IOT/ Environment and Sustainability (Online)	
	Room 4	Presentations - Track: Artificial Intelligence (Online)	
	Room 5	Presentations - Track: Computing (Online)	
	Room 6	Presentations - Track: Engineering Technology (Online)	
	Room 7	Presentations - Track: Engineering and Computer Technology-I (Online)	
	Room 8	Presentations - Track: Information Technology (Online)	
	Room 9	Presentations - Track: Engineering and Computing-I (Online)	
	Room 10	Presentations - Track: Engineering and Computing-II (Online/ Recorded)	
	Room 11	Presentations - Track: Recorded Presentations-I (Online)	
	Room 12	Presentations - Track: Engineering and Computer Technology-II (Online)	
15:30		**Closing Ceremony**	**30 minutes**
15:30	**Auditorium**	Closing Ceremony Closing Remarks by Prof Asadullah Shah	
End of Conference			

TECHNICAL SESSION SCHEDULE
DAY-1: Wednesday 20th November 2024

	Session 1	
Presentations – Machine Learning and AI: Room 1		
Time	**Paper ID**	**Paper Title**
12:30	45	Factors and Challenges Impacting the Adoption of Artificial Intelligence Tools in Graphic Design
12:45	60	Enhanced climate modeling for accurate long-term climate predictions using deep learning
13:00	67	A Deep Learning Approach for System Identification of an Electric Oven using Long Short-Term Memory Recurrent Neural Network
13:15	87	Unlocking the Economic Triumphs of AI-Enabled Smart Transportation
13:30	96	A machine learning approach for soil fertility detection based on NPK nutrients
13:45	108	Multi-Fault Detection in Fluid Catalytic Cracking Unit using Hybrid CNN-LSTM Deep Learning Model
14:00	352	Comparative Analysis of Human Activity Recognition Using Deep Neural Networks
14:15		
Presentations - Track: Data Science and Analytics: Room 2		
12:30	42	Bigdata Analytics and its impact on Decisions-Making
12:45	66	Review of Digital Social Entrepreneurship
13:00	74	Blockchain-Enabled Cybersecurity and Data Privacy Solutions for Smart Cities
13:15	75	Enhancing Data Privacy in Vehicular Cloud Networks: Leveraging Differential Privacy and Homomorphic Encryption
13:30	376	Assessing the effectiveness and design aspects of optimization methods for analyzing big data in breast cancer prediction
13:45	406	Comparative Analysis of Frequent Pattern Mining Algorithms on Healthcare Data
14:00	460	Solving the University Course Timetabling Problem using Clustering and Genetic Algorithms
14:15	476	AI-Driven Solutions in Sustainable Development Goals (sdgs): A Review of How AI Technology Contributing to Achieving the United Nations' sdgs across Healthcare, Environmental Services, and Cross-Industry
Presentations - Track: Health Care Technologie/ Environment and Sustainability: Room 3		
12:30	56	Policies and Regulations for Battery Waste Management and Recycling: An Overview
12:45	611	Fighting Cyberbullying on social media: Roman Urdu Text Classification using machine learning methods
13:00	41	Process and Environment Criteria based Multi-objective Optimization of Gas Sweetening and Sulphur Recovery Integrated Process
13:15	57	Solar Photovoltaic End-of-Life Waste Management Policies and Regulations: A Global Perspective and Insights for Saudi Arabia's Transition to Sustainable Energy Future
13:30	138	Impact of Environmental Factors on Solar PV Output: An Experimental Approach
13:45	470	Surveillance System Utilizing the Concept of IoT
14:00	471	Modeling and Simulation of Fault Detection in Three Phase Alternating Current Circuits by Virtual Instruments
14:15	131	Intelligent optimization of thermal conductivity of Bi2Te2.7Se0.3-based thermoelectric renewable energy materials
Presentations - Track: Power Systems and Electronics: Room 4		
12:30	59	Total electricity load evaluation for the Kingdom of Saudi Arabia with the inclusion of Electric Vehicles
12:45	63	Interference Mitigation Signal Shaping Techniques in Cognitive Radios
13:00	463	Machine Learning-Based Cybersecurity Threat detection
13:15	86	A Comparative Study of PID, LQG, and MPC Controllers for Temperature Control in Solder Reflow Ovens
13:30	100	Smart Moves, Smart Money: Unlocking the Economic Potential of AI-powered Transportation
13:45	109	Design and Control of an Air Levitation Ball System For Mechatronics Education and Research
14:00	445	Enhancing Decision Reliability with 2-D Linguistic Intuitionistic Fuzzy Power Aggregation Operators
14:15	468	Automated Garbage Bin Collection System
14:30 END of Session		

TECHNICAL SESSION SCHEDULE
DAY-1: Wednesday 20th November 2024

Session 2		
Presentations - Track: Renewable Energy: Room 1		
Time	**Paper ID**	**Paper Title**
15:30	32	Integrating UAV-Acquired Data Augmentation and Deep Learning for Solar Panel Defect Detection
15:45	47	Performance Analysis of a Power regression Model for Green Hydrogen flow rate in a PEM Electrolyzer utilizing critical dynamic parameters
16:00	48	Performance Analysis on a four level Interleaved SEPIC Converter used for Renewable based battery charging applications
16:15	107	Assessing Dust Accumulation and its Impact on Solar PV Performance
16:30	127	Multistep Meshed Multivariate Energy Load Forecasting Through GSO Algorithm using LSTM Selection Techniques in NOAA Energy Facility
16:45	137	Sensitivity and Availability Analysis of a Gas Compressor
17:00	143	Evaluating the Impact of Internal Fan Integration on the Performance of Solar Stills Linked to External Air-Cooled Passive Condenser
17:15	285	Design and Production of Solar-Powered Rotary Charcoal Dryer for Rural Farmers in Nigeria
Presentations - Track: Robotics and Automation: Room 2		
15:30	53	Robot Process Automation in Education: Enhancing learning efficiency and student engagement
15:45	61	Design and Implementation of Omni-Wheel Conveyor Robot
16:00	106	Optimizing Urban Mobility: Leveraging Smart Transportation Systems for Sustainable Development
16:15	98	Designing and prototyping an intelligent multifunctional agricultural robot that simplifies agricultural tasks
16:30	101	Design and Development of a UV-C Air Purification Robot for Enhanced Indoor Air Quality
16:45	111	Development of a 3D-Printed Omnidirectional Spherical Robot for Industrial Safety Monitoring using YOLO and ROS2
17:00	112	Development of a Vision based18-DOF hexapod robot controlled by ROS2
17:15	119	Robotic Process Automation and Entrepreneurship
Presentations - Track: Information Technology/ Smart Cities and IOT: Room 3		
15:30	469	E-Nurse with Zigbee-Based Communication
15:45	35	Interference Prevention in Cognitive Radio Networks
16:00	73	Cybersecurity in Location-Based Services: Threats, Impacts, and Mitigation Strategies
16:15	76	Implementing Privacy-Preserving Authentication and Geo-Indistinguishability in Vehicular Cloud Networks
16:30	454	Using Heuristic Problem-Solving Approach in Learning Applied Problems in Trigonometry
16:45	467	Smart Marketing Chatbot of Amazon Office Products Using Generative Based Sequence-to-Sequence Model
17:00	614	Balancing Exploration and Exploitation in Chatbot Training Using Reinforcement Learning Algorithms
17:15		
Presentations - Track: Engineering Technology: Room 4		
15:30	366	Machine Learning for Disease Biomarker Detection From Genome Expression Data
15:45	461	Machine Learning-Based Automated Threat Detection Network Security in Healthcare
16:00	473	Probabilistic Topic Modeling Approaches for Investigating Deep Learning Literature
16:15	293	Enhancing Solar Still performance utilizing internal and external reflectors
16:30	296	Numerical Analysis of Multi effect diffusion Solar Still with measured solar radiation
16:45	362	Boosting Solar Still Performance through Condenser, Fan, and Reflectors Integration
17:00	438	Seasonal Analysis of PV Performance: Optimizing Fixed Panel Angles for Maximum Efficiency
17:15	124	Multi-Agent Approach for Methane Emission Monitoring from a Industrial Facility Using Cooperative Quadrotor Unmanned Aerial Vehicles
Presentations - Track: Engineering and Computer Technologies (Online): Room 5		
15:30	525	A Musical Approach to Mental Health Rehabilitation for Children with Depression
15:40	526	The management of threats to human welfare Utilizing the Internet of Things to Lower Garbage and Contamination
15:50	527	Clone Attack Detection Based on Novel Lightweight Security Approach Using Bio-Medical Data Protection Scheme For Remote Healthcare Management
16:00	528	Energy Conservation Framework for Smart Cities for Optimal Energy Efficiency and

			Sustainability
16:10		529	Analysis of a Financial Sector Period Prediction Model Based on Deep Learning Techniques
16:20		530	Research on Passive Energy-Saving Buildings in China Based on Artificial Intelligence Technology
16:30		531	Remote Healthcare Monitoring Based on Fuzzy-Assisted Machine Learning Framework With Fog-Computing System
16:40		532	Augmented and Virtual Reality Services supported by 6G for improving Smart Cities
16:50		533	Smart City Environmental Monitoring Based on Internet of Things
17:00		534	Effective Decision Making in Smart Education Institution Infrastructure based on Internet of Things
17:10		535	Analyzing the Positive Impact of Aerobic Exercise on the Health and Happiness of the Elderly
17:20		536	Epidemiology and health status as internal risk factors in Traveler Budgets
17:30 END of Session			

Session 1		
Presentations - Track: Engineering and Information Technology: Room 1		
Time	**Paper ID**	**Paper Title**
11:00	446	Next-Gen Transportation Safety: A Mobile Machine Learning Approach to Driver Drowsiness Detection
11:10	164	Classification of Tuberculosis CXR Images Across Diverse Range of CNN Architectures: A Comparative Study
11:20	37	An Integrated Environmental Assessment of Carbon Dioxide Emissions from Power Plants
11:30	58	Economic development and population growth as a driver for carbon dioxide emission
11:40	115	Implementation of Microcontroller Based Automatic Solar panel Cleaning System
11:50	482	Analysis of a Micro-electrothermal Bimorph Actuator
12:00	321	A Generalized Two fold Lookup Table Architecture for Efficient Approximation of Elementary and Activation Functions
12:10	455	An Obfuscation Attack Detection Approach in Android APK Using ML classification of Grayscale and RGB Images
12:20	150	Enhancing building energy efficiency in Bahrain: A simulation-based approach using various standards
Presentations - Track: Data Science and Analytics (Online): Room 2		
11:00	13	Understanding Customers' perspectives and perceptions regarding the Adoption of Online Islamic Banking Platforms in Pakistan
11:10	99	Sediment Fingerprinting in Kilindini Harbour, Mombasa: Advanced Analytical Techniques for Environmental Monitoring and Process Efficiency
11:20	126	Evaluation of Radioecological Hazards and Environmental Impacts of Artisanal Gold Mining in Weiwei, Kenya
11:30	81	IoT Based Secure Data Sharing for Precision Agriculture with Optimal Clustering and Hybrid Encryption Algorithm
11:40	83	Formulation of Modified Artificial Bee Colony (RABC) Optimization Algorithm to Minimize Economic Load Dispatch
11:50	84	Diversity Measure for Drift Detection in Data Streams
12:00	85	Multi-Criteria Analysis of Concept Drift Detection Algorithms: A Decision-Making Approach
12:10	88	Optimized Real-Time and Recorded Video Obstacle Detection on Edge Devices
12:20	89	Lack of Emerging Technologies and Cybercrime Resistance in a Developing Country
Presentations - Track: Cyber Security (Online): Room 3		
11:00	27	Detection of DDoS Attacks in IoT Networks Using Machine Learning Algorithms
11:10	69	Enhancing Cybersecurity Resilience through Emerging Technologies: A Study on User Preferences and Trust
11:20	78	Challenges, Risks, and Barriers to Adopting Machine Learning Techniques in Online Retail Security
11:30	80	Detection of cybercrimes using emerging technologies: Evidence from developing world
11:40	121	Analyzing the Implementation and Effectiveness of Zero Trust Security Models in Modern Enterprises
11:50	128	Evaluating Disaster-Ready Communication Networks: A Real-World Testbed Using Raspberry Pi
12:00	133	The application of blockchain technology (BT) to enhance the security protocols of 5G network infrastructure: A review
12:10	134	Analysis of IoT-based smart cities: Implementation and security issues
12:20	154	Enhancing Cybersecurity in Wireless Sensor Networks: Sybil Attack Detection with DSSF-OGAN and Swarm Search-Based Deep Learning
Presentations - Track: Software and Programming/ Education Technologies (Online): Room 4		
11:00	14	Understanding the Customers' Perspectives and Perceptions regarding the acceptance of M-Commerce Applications in Pakistan. Application of the UTAUT Model
11:10	176	Design of Pentagram Shaped Fractal Antenna for Wideband Applications
11:20	251	Exploring Performance Disparities: A Comparative Study of LabGuard Web and Android Applications in Lab Equipment Maintenance
11:30	297	Quantifying User Satisfaction: A Comprehensive User Experience Metrics Analysis through Quantitative Surveys and Ratings in HR APPLICATION's Platform
11:40	334	Analyzing Response Time: A Comprehensive Comparative Study of User Interaction app Speeds in Java Learning Quiz Applications across Android and Web Platforms
11:50	414	ADUARX: An Immersive Mobile Augmented Reality Application for Navigating Adamson University using A* Algorithm

12:00	497	Characterization of Passive Circuit Element Using Resonant Circuit Technique for Wireless Communication Applications
12:10	125	Success of Teaching Programme regarding Organ Donation on Awareness, Attitudes and Belief among Adults
12:20	295	Advanced Varactor Fabrication and Characterization: Paving the Way for Next-Generation Reconfigurable Antenna Systems
Presentations - Track: Engineering and Computer Technologies (Online): Room 5		
11:00	537	Blockchain technology-based Online catering operational mode
11:10	538	Enhanced Deep Learning Based Network Security Defense in Database Security Service with Big Data Analysis
11:20	539	Enhancing Security Threat Management In Smart Grids Through Machine Learning-Enabled Supervised Anomaly Detection
11:30	540	The business model for consumer perspective-based services using digital twin technology
11:40	541	Big Data Science And Analytics-Based Persuasive Evidence-Synthesis Framework for Sustainable Policymaking in Eco-City Development
11:50	542	Analysis of Network Traffic Based on Novel Host Security Defense System with Intelligent Network Traffic Monitoring
12:00	543	Internet of Things Based Effective Control and Management Methods for Project
12:10	544	Development and creation of regional resource administration methods using big data analytics for smart agricultur
12:20	545	Expansion of IoT coverage corresponds with 5G's focus on physical education resource management
13:00 END of Session		

TECHNICAL SESSION SCHEDULE
DAY-2: Thursday 21st November 2024

Session 2		
Presentations - Track: Machine Learning and AI (Online): Room 1		
Time	**Paper ID**	**Paper Title**
13:00	61	Design and Implementation of Omni-Wheel Conveyor Robot
13:10	123	Unveiling the Generalizability Gap: A Cross-Domain Evaluation of Machine Learning Algorithms for Network Intrusion Detection
13:20	132	Supervised Techniques for Accurate Tooth Segmentation and Numbering in Panoramic X-ray Images
13:30	146	Leveraging Hybrid CNN-BiGRU Models for Enhanced Supply Chain Transparency and Risk Management
13:40	148	Effects of Alginate-Calcium Chloride (CaCl2) in the Gentamicin-Loaded Microspheres for Continuous Drug Release
13:50	152	Enhanced IoT Intrusion Detection: A Hybrid Framework Integrating Decision Tree and One-Class SVM
14:00	153	Optimizing Stock Market Prediction through Integration of Market News and Stock Prices with Machine Learning Models
14:10	158	Intelligent Cyber Security Model for Network Level and Node Level in WSN Using Adaptive Neural Network
14:20	163	Machine Learning-based Liver Cancer Classification using Gene Expression Microarray Data
Presentations - Track: Data Science and Analytics (Online): Room 2		
13:00	169	A Novel framework for Liver Diseases prediction with Hepatoblastoma, Angiosarcoma, and Intrahepatic Cholangiocarcinoma types
13:10	178	Maximizing Loan Prediction Accuracy with Naive Bayes compared to Logistic Regression
13:20	184	Microarray Data Classification Accuracy Enhancement using Support Vector Macine in Comparison with K-Nearest Neighbour
13:30	185	Boosting Prediction Accuracy for Student Performance with Decision Trees and Random Forests
13:40	186	Comparative Analysis of Iris Flower Species Classification with Support Vector Machine Versus Logistic Regression
13:50	189	Predicting Buying Behaviour of The Customer in Commercial Vehicle Market Using a K-means Algorithm Instead of a Logistic Regression Algorithm for High Performance in Price Prediction on Real Data to Improve Accuracy
14:00	194	Optimizing Diabetes Forecasting by Comparing Random Forest and Support Vector Machine Algorithms
14:10	196	Prediction of Optimal Nearest Delivery personnel for Delivery of Products Using Support Vector Machine Against Logistic Regression algorithm for Better Accuracy
14:20	199	Evaluating User-User Collaborative Filtering and Apriori Methods for Ranking Computer Science Books
Presentations – Cybersecurity and Networks/ Education Technologies (Online): Room 3		
13:00	172	Enhancing WSN Cyber Security: An Innovative Routing Framework with Cross-Layer Protocol Designs
13:10	205	Performance Evaluation of Multi layer Perceptron and Support Vector Machine in Email Spam Detection
13:20	210	Analysis of Email Spam Detection Using Naive Bayes and Support Vector Machine Classification Algorithms
13:30	274	Predicting and Classifying OFDM Modulated Signals for 6G Wireless Network
13:40	278	DDoS attack detection using smart IDS
13:50	282	Human Fingerprint Reputation Gadget in Cybercrime Analysis using Naive Bayes in Evaluation over Stepwise Polynomial Regression
14:00	345	Advanced Encryption Standard Algorithm in comparison with FERNET Algorithm for reducing encryption time of H.264 encoded video files
14:10	361	Improving the Efficiency of Bitcoin Market Price Prediction Using Novel Decision Tree Algorithm and Compare the Prediction Accuracy with K-Nearest Neighbor Algorithm(KNN)
14:20	367	TrendFusion with Hybrid SVM and RNN for Dynamic Trend Forecasting and Sentiment Analysis
Presentations - Track: Healthcare Technologies (Online): Room 4		
13:00	51	Automated Stabilization Platform for Ambulance Beds and Patient Transportation
13:10	157	Effect of Sloped Walking on Joint Velocity of Lower Limb
13:20	180	Investigating Algorithmic Techniques for Breast Cancer Detection
13:30	182	Early Medical Diagnosis of Breast Cancer in Women using Support Vector Machine Algorithm in Comparison with CNN Algorithm
13:40	183	Sign Language Recognition for Deaf People Using Novel HMM Compared With CNN and LSTM

13:50	265	Remote Healthcare Monitoring Architecture for Diabetes Patients using Logistic Regression in Comparison Support Vector Machine for Improving Precision
14:00	267	Blockchain-Enabled EHR Access Management in the Metaverse Healthcare Framework: A Multi-Dimensional Approach
14:10	310	Effective Classification of Ocular Disease using Resnet-50 in Comparison with Squeezenet
14:20	393	Revolutionizing Road Safety: A Predictive Model Framework Integrating Machine Learning and Deep Learning
Presentations - Track: Computer and Engineering Technologies (Online): Room 5		
13:00	386	LilyDoll: Designing a System for the Detection of Autism Spectrum Disorder
13:10	387	Multinomial Logistic Regression: Determine Master of Computing Specialization Based on Demographics
13:20	388	Predicting Atmospheric Nitrogen Dioxide (NO2) Levels Through Classification Models Using Concentrations of Other Atmospheric Pollutants
13:30	389	Brain Tumor Detection Web Application for Neurologist Specialist in Medical Industries
13:40	391	Immersive Presentation with Personalization and Customization in Virtual Reality Environment (VRE) to Enhance Classroom Pedagogy
13:50	394	Enhancing Online Learning Experiences: A Real-Time Facial Expression Recognition System for Dynamic Engagement Assessment
14:00	401	Securing Data Communication among IoT Devices
14:10	403	Predicting English Proficiency Level with Support Vector Machine and Random Forests
14:20	408	Improving Security for Smart Logistics through Blockchain and IoT
14:30 END of Session		

Session 3		
Presentations - Track: Machine Learning and AI (Online): Room 1		
Time	**Paper ID**	**Paper Title**
15:30	177	Improving Accuracy of Crop Yield and Cost using Support Vector Machine over Logistic Regression
15:40	181	Machine Learning Models for Network Intrusion Detection Based on ResNet-GAN Model
15:50	187	Multi-Classifying 47 The Gadget's Defect Is Determined By Comparing Characteristics Using Random Forest And Naive Bayes
16:00	188	Evaluating Traffic Flow Prediction Accuracy Using Support Vector Machines and Feedforward Neural Networks
16:10	190	Prediction of Commercial Vehicle Market Complains Issues and Alert System Using Linear Regression Against SVM Learning Algorithm for Better Accuracy
16:20	191	Handwritten Identification using K Nearest Neighbor and compared with Feature Extraction Precision Naive Bayes Algorithm
16:30	193	Deep Learning-Driven Drug Development by Identifying Human Protein Targets
16:40	195	Deep Learning for Identifying Drug Repurposing Pipelines
16:50	197	Deep Learning Approach for Early Prediction and Diagnosis of Breast Cancer Tumors
17:00	166	Design and Development of Highway Wind Turbine for Power Generation
17:10	139	Detection of COVID-19 Using Efficient Ensemble Learning with Convolutional Neural Network
17:20	140	Enhancing Protein Language Models for Remote Homology Detection: A Study on Parameter Efficient Fine-Tuning Techniques
17:30	92	Offensive Countermeasures Against Phishing Through Fake Data Injection
17:40	160	Innovative Image Processing Methods for Lung Cancer Detection and Stage Prediction
17:50	518	Enhancing Healthcare Outcomes through Big Data and Statistical Models Synergy
Presentations - Track: Data Science and Analytics (Online): Room 2		
15:30	208	Tongue Based Disease Prediction Using ANN Algorithm Comparing With RNN
15:40	209	Comparative Study of KNN over CNN for Music Genre Classification to Improve Accuracy
15:50	211	Using Image Processing Techniques to Compare Accuracy with the Canny Algorithm for Predicting Rice Quality Analysis
16:00	212	Early Forecasting of Stock Marketing Price using SVM Classifier by Comparing with Decision Tree for Improved Accuracy
16:10	214	Forecasting of Rainfall using Novel SVM and Compare Prediction Accuracy with Logistic Regression Algorithm
16:20	224	Prediction of Insufficient Accuracy for Transmitting Patient Details: A Comparison between the DES Algorithm and the Advanced Encryption Standard Algorithm
16:30	228	Assessment of Rainfall Prediction Accuracy with Machine Learning Methods: Linear Regression Compared to Support Vector Machine
16:40	229	Prominent technique for Rainfall prediction using Novel XGBoost over CatBoost for improving the accuracy of prediction.
16:50	230	Innovative technique for Rainfall prediction using Novel Random Forest over Decision Tree classifier for improving the accuracy of prediction
17:00	156	Direction to secure routing: An effective model for selecting optimal cluster heads in WSN cyber security
17:10	159	Novel multi-faceted technique for enhancing the performance of wireless sensor network in cyber security uses
17:20	171	Efficient authentication scheme: AI-assisted detection model for node capturing threats in cyber security applications
17:30	206	Improving Accuracy in HR Analytics Employee Attrition Performance Using Random Forest Algorithm Compared to Decision Tree Algorithm
17:40	237	An Enhanced Bank Scams Detection using Supervised Learning by Support Vector Machine over Hidden Markov Model
17:50	292	Improving accuracy in Comprehensive Analysis of Educational Institutions using XGBoost compared to Genetic Algorithms algorithm
Presentations - Track: Healthcare Technologies/ Manufacturing and Industry 4.0/ Environment and Sustainability (Online): Room 3		
15:30	486	Digital Continuity of Care: Redefining Doctor-Patient Relationships in the Era of Connected Health
15:40	496	Critical Examinations of Employees' Knowledge on Health and Safety Procedures in Engineering Industries in Nigeria and United Kingdom
15:50	161	Plant Diseases Detection for Sustainable Agriculture Based on K-Means and GBM Model

16:00	276	Valorization of Waste Heavy Fuel Oil Ash into Supercapacitor Electrodes using Organic Electrolytes
16:10	337	Evaluate The Development Time Through a Comparative Analysis of Student Club Activities in iOS and Web Application Environments
16:20	68	Blockchain-Based Secure and Low Latency Health Record Exchange
16:30	361	Improving the Efficiency of Bitcoin Market Price Prediction Using Novel Decision Tree Algorithm and Compare the Prediction Accuracy with K-Nearest Neighbor Algorithm(KNN)
16:40	165	Dual-Mode Fluorescent and Colorimetric Sensors Powered by Machine Learning for High-Security Authentication and Anti-Counterfeiting
16:50	168	Machine Learning Techniques for Accurate Staging of Lung Carcinoma from Low-Radiation CT Scans
17:00	170	Machine Learning in Oncology: SVM-Based Classification of Lung, Breast and Liver Cancer from MRI Scans
17:10	200	Road Accidents Prediction using Decision Tree in Comparison to Linear Regression
17:20	202	Prediction of identical twins using Naive Bayes algorithm compared with Random Forest based on Biometrics
17:30	136	Benign/Malignant Breast Cancer Detection in Histopathology Image using Fused Deep-Learning Features
17:40	16	SVM Based Sentiment Analysis for Online Shopping Reviews
17:50	392	The Evolving Role of Artificial Intelligence in Digital Marketing
Presentations - Track: Power Systems and Electronics (Online): Room 4		
15:30		
15:40	105	ATTENDANCE MANAGEMENT SYSTEM BASED ON VEHICLE NUMBER PLATE USING IMAGE PROCESSING AND OPTICAL CHARACTER RECOGNITION (OCR)
15:50	110	An Intelligent Controller Design for Hybrid AC/DC Microgrids
16:00	141	Extensive Arithmetic Operations in P Systems
16:10	155	Analyzing Electric Vehicle Charging Behavior for Future Standard and Fast Charging Infrastructure Planning Using Monte Carlo Tree Search
16:20	179	Efficient Accident prediction of Drowsy Driver Detection system using GPS tracking based on CNN algorithm compared with Random Forest Algorithm to improve Accuracy
16:30	192	Network And Compared With Support Vector System Based On Accuracy
16:40	213	SVM-Based Currency Identification System with Naive Bayes Prediction Accuracy Comparison
16:50	218	Data Quality Issues for Speech Emotion Recognition System using Novel Logistic Regression Algorithm and Compare Accuracy with Random Forest Algorithm
17:00	430	Evaluating the Efficacy of Auto-Regressive Integrated Moving Average in Forecasting Root Crops Prices in NCR
17:10	323	Increasing the Peak Signal-to-Noise Ratio in Encoding Medical Data with a Cover Image using a Watermarking Algorithm compared with Wavelet algorithm.
17:20	373	Comprehensive In Vivo and In Vitro Platform for Evaluating Drug Efficacy Against Cancer Cells in Patient Treatment
17:30	485	The AI-Enhanced Clinical Encounter: Transforming Doctor-Patient Dynamics in the Age of Artificial Intelligence
17:40	64	Economic Forecasting of New Zealand with Electronic Card Transaction Data using Machine Learning Models
17:50	304	Agile methodology in software development: A study of software project management
Presentations - Track: Computer and Engineering Technologies (Online): Room 5		
15:30	415	A Study on Modeling the Travel Patterns Using Social Media
15:40	425	A Study of Student Health and Exercise Patterns: Data Analysis and Model Predictions
15:50	431	Flight Price Analysis Dashboard
16:00	432	Face Recognition Check In System
16:10	433	Chinese Herbal Medicine Identification Based on Image Classification
16:20	434	Using ML Algorithm to Study Chinese Tourist Behaviour in Malaysia
16:30	435	Predicting Body Fat Based on Gender Using LightGBM Algorithm
16:40	436	Book Hybrid Recommendation System Optimized by Penalty Factor
16:50	437	Credit Card Fraud Detection with Hybrid Machine Learning Models
17:00	439	Study of the Impact of Smoking and Alcohol Consumption on the Physical Health of South Korean Residents and Development of Machine Learning Predictive Models
17:10	440	Maximizing eSports (Apex Legends) Players Arena Performance with Big Data Modeling
17:20	474	Comparative Study of the Effects of Generating the Network Datasets using Multiple Geographical Information System Software
17:30	612	Unconstrained User Authentication on Smartphones through Ocular Images using FHOG and SVM
17:40	613	A biometric based user authentication scheme to safeguard smartphones from impostors

17:50	280	Comparison Analysis of Road Accident Detection using Random Forest over Support Vector Machine with Improved Accuracy
18:00 END of Session		

TECHNICAL SESSION SCHEDULE
DAY-3: Friday 22nd November 2024

	Session 1	
Presentations - Track: Machine Learning and AI (Online): Room 1		
Time	**Paper ID**	**Paper Title**
09:00	8	Machine Learning-Based Leukemia Classification using Gene Expression for Accurate Diagnosis
09:10	9	An Enhanced EfficientNetB5 Model for Classification of Leaf Diseases
09:20	492	Impact of Entrepreneurship on Rural Poverty: Quantifying Income Changes via Data Science Analysis
09:30	198	Early-Stage Lung Cancer Prediction and Stage Classification Using Machine Learning
09:40	201	Data Analytics for Clinical Decision Support: Leveraging Deep Learning Models for Enhanced Recognition
09:50	203	Navigating the Complexity: Comparative Assessment of Machine Learning Approaches for Log S Prediction
10:00	204	Artificial neural network based Predictive model for Android Malware Detection using a Sine Cosine Algorithm for Feature Engineering
10:10	207	A Hybrid Deep Learning Framework Combining Convolutional, Transformer, and GRU Models with Mixture of Experts for RNA Sequence Analysis
10:20	215	Higher Accuracy of Crop Recommendation using K-nearest neighbors Algorithm over Decision Tree Algorithm
10:30	216	Automated Fake News Detection using Logistic Regression over Decision Tree with Improved Accuracy
10:40	217	Handwritten Digit Classification Using Support Vector Machine Algorithm Comparing with Logistic Regression for Improving Accuracy
10:50	219	Face Mask Detection Using Autoencoder Algorithm Comparing with Recurrent Concurrent Neural Network for Improving Accuracy
Presentations - Track: Data Science and Analytics (Online): Room 2		
09:00	17	Secure Democracy: Fingerprint-Enabled Online Voting in Pakistan
09:10	232	Spam Detection Using Radial Base Function and Compare the Prediction Accuracy Using Naive Bayes Algorithm
09:20	234	Higher Prediction of Crime Occurrences in Urban Areas using Random Forest Algorithm Comparing with Decision Tree Algorithm to Improve Accuracy
09:30	254	Prediction of Music Genre for Mobile Application using XGboost Algorithm Compared over Decision Tree Accuracy
09:40	270	RIS-Enhanced 6G Networks: Advanced User Location Prediction with Generative Models
09:50	271	An Efficient Prediction of Rainfall using Random Forest Algorithm comparing with Logistic Regression
10:00	277	Optimized Decision Making via Python Flask GUI for Transportation Problems
10:10	279	Prediction of Road Accident Analysis using Logistic Regression over Support Vector Machine with Improved Accuracy
10:20	298	Enhancement of Secured Clustering in Health Care Data Sets Using Triple- DES Algorithm to Improve Accuracy in Comparison with Diffie Hellman algorithm
10:30	300	Improving accuracy in Efficient preterm baby health prediction using Decision Trees algorithm compared to K Nearest Neighbor algorithm
10:40	301	Comparative Analysis of FPA-LS-SVM Model in Comparison with FPA-ELM, LS-SVM and ELM Model in Earthquake Prediction
10:50	302	AI Chatbots and Virtual Therapists in Mental Health Care: A Comprehensive Review of Efficacy and Limitations
Presentations - Track: Power Systems and Electronics (Online): Room 3		
09:00	243	Efficient Predictive System for the Detection of Brain Tumor using Naive Bayes Algorithm compared with Support Vector Machine Algorithm
09:10	255	Currency Recognition System using SVM and compared with Random Forest model
09:20	281	Movie Recommendation System based on their Ratings to Improve Accuracy using Collaborative Filtering and Compare with Cosine Similarity
09:30	402	The Next Frontier: AI-Powered Strategies Shaping then Landscape of Fraud Detection Startups
09:40	299	Simulation and Comparison of Single Gate Mosfet and Novel Double Gate Mosfet to Improve the Quantum Capacitance
09:50	322	Detecting the Accuracy Rate of Waste Management in Fraud Systems by Comparing Support Vector Machine and Naive Bayes Classifier
10:00	326	Enhancing the Accuracy of Fingerprint Image using Novel Fuzzy Logic System in Comparison with Random Forest
10:10	343	Accuracy Improvement of Online Shopping Recommendation System with Natural Language

		Processing using Novel XgBoost Classification compared with Logistic Regression Method based on Time
10:20	413	A Systematic Literature Review on the Evolution of Skyline Query on Uncertain Database: Trends and Insights
10:30	444	Implementation of an Integrated Electronic Control System for a Typical Microgrid
10:40	457	Wireless Powered UAV-Assisted Full-Duplex Cooperative NOMA using SWIPT
10:50	498	Powder mixed electric discharge machining of AA2024 hybrid composites

Presentations - Track: Renewable Energy/ Robotics and Automation (Online): Room 4		
09:00	82	Energy Efficient Internet of Things Based Routing Algorithm
09:10	91	A Techno-economic Analysis of Renewable Energy Community with PV Integration in Southern Italy
09:20	114	Fuzzy Logic Controlled Solar Tilt Angle Optimization For a PV System
09:30	167	Numerical Model for Designing Renewable Energy Communities under Italian Framework
09:40	245	Assessment of Bioenergy Prediction and Optimization: Comparative Analysis between Long Short-Term Memory Networks and XGBoost Algorithm
09:50	272	Prediction of Less Error for Water Renewable Energy Generation Using Long Short-Term Memory by Comparing CNN Algorithm to Reduce Mean Square Error
10:00	484	Energy Consumption Optimization in Smart Factories Using IoT and Reinforcement Learning
10:10	50	Design and Implementation of Solar Panel Dust Cleaning Robot
10:20	135	Enhancing the Human Disaster Rescuing Operations Through Automated Flying Drone Deployments for Efficient Search, Rescue, and Probing Missions in Crisis Scenarios During Calamities using Digital Image Processing Techniques
10:30	398	Data Imbalance correction in feature selection for large scale product lines
10:40	400	Comparison of Mod-Evasive and MoD Security Modules for Apache Web Server in LAMP Environment
10:50	456	BMS-Based Fuzzy Logic Controller Design

Presentations - Track: Computing (Online): Room 5		
09:00	557	Optimized Image Regeneration for Old Damaged Reel Picture using Novel Support Vector Machine Algorithm compared with K-Nearest Neighbors
09:10	558	Evaluation of Machine Learning Algorithms for Detecting Paddy Leaf Disease When compared to the Decision Tree approach, the Random Forest algorithm provides more accuracy
09:20	559	Enhancing Gram-Based Fuzzy Keyword Search in Encrypted Data Using XGBoost comparison to SVM for Increased Accuracy
09:30	560	Improving Sales Forecast Accuracy for Corporate Cafeterias with LSTM Compared to Linear Regression
09:40	561	Automatic Detection of Smile using CNN Algorithm in Comparison with Gabor Energy Filter to Improve Accuracy
09:50	562	Accuracy in Predicting Comment Toxicity in Threads Applications: A Comparison of Bidirectional Encoder Representations from Transformers and Gated Recurrent Units
10:00	563	Improving Accuracy in Predicting Homicide Rates Among Youth: A Comparison of Logistic Regression and Linear Regression Techniques
10:10	565	Tuning the Accuracy in the Price Prediction of Cryptocurrency Using Long Short-Term Memory in Comparison with XG Boost
10:20	566	Optimized Resource Allocation for Energy Efficiency in Cognitive Radio Networks: A Comparison of Particle Swarm Optimization and Whale Optimization
10:30	568	Improving Automated Climate Change Funding for Crop Fields through Innovative Random Forest and Decision Tree Models Focused on Accuracy
10:40	569	Analyzing the Effectiveness of Gradient Boosting and Gaussian Naive Bayes in Customized Dietary Planning for Diabetes Management
10:50	570	Evaluating Accident Prediction Using Weather Data Analysis by Comparison of Novel Random Forest and Decision Tree Accuracy

Presentations - Track: Engineering and Computer Technology-I (Online): Room 6		
09:00	571	Optimization of Sugarcane Diseases Identification using Novel Convolutional Neural Network Algorithm compared with K nearest neighbors Algorithm by Increasing Efficiency
09:10	572	Improving the Exploration of Genomic Biomarkers for Drug Addiction Risk Assessment through a Comparative Study of Novel Gradient Boosting and Logistic Regression
09:20	573	Improving the Exploration of Genomic Biomarkers for Drug Addiction Risk Assessment through a Comparative Study of Novel Gradient Boosting and Logistic Regression
09:30	574	Enhancing the Restoration of Old Damaged Reel Images Using a Novel Long Short-Term Memory Algorithm Compared to Generative Adversarial Networks for Improved Accuracy
09:40	575	Comparing Return loss of Conventional Microstrip Patch Antenna with the square shaped Defective ground Microstrip Patch Antenna for wireless communications
09:50	576	Improving accuracy in fingerprint attribute classification using Convolutional neural network compared to Resnet50 algorithm
10:00	577	Accurate Recognition of Corn Leaf Disease in Agriculture Management using Improved

		Convolutional Neural Networks and Compared with Multilayer Perceptron Algorithm
10:10	578	Analyzing on Detection of Duplicate with CNN in comparison with GAN
10:20	579	Upgrading Accuracy in 3D Object Watermarking Technique using Novel Convolutional Neural Network Compared to Inception algorithm
10:30	580	Comparative analysis on diet prediction of diabetes person using Recurrent Neural Network over decision tree with improved accuracy
10:40	585	Reduction of Drag Coefficient in Moving Vehicles using Novel Diffuser Slices compared with Vortex Generators based on Reynolds Number
10:50	586	Improved Feature Extraction and Object Detection Accuracy with the Novel DenseNet Algorithm Compared to the SqueezeNet Algorithm in Remote Sensing Images
Presentations - Track: Engineering and Computer Technology- II (Online): Room 7
09:00	555	Analyzing the Connections Between Innovation Network Architecture, Effective Knowledge Transfer, and Ambidextrous Creativity
09:10	510	Factors impacting the perception and work satisfaction of teachers in employing ai tools in higher educational institutions
09:20	512	Impact of Datamining Clustering Methods on Decision Support System - concerning Customer Segmentation
09:30	513	Capitalizing on change: ai-enhanced time series analysis of fmcg, gold and banking markets
09:40	514	Exploring the Evolution of E-commerce: Study the influence of AI on the purchasing behavior of Generation Z consumers
09:50	515	Mediation analysis investigating the strategic insights Of AI-Driven Wellness Program fostering Employee Engagement in the Era of Industry 4.0
10:00	516	Ai enabled smart glass for visually impaired individuals to detect surrounding objects and track geographical location
10:10	524	Secure Content-Based Medical Image Retrieval Using Hybrid Optimized Deep Learning and Revised Genetic Rice Optimization Algorithm
10:20	556	Hybrid federated learning for enhanced privacy in e-learning
10:30	390	Enhancing Application Security: Exploring the Effectiveness of Email Authentication and One-Time Passwords (OTP) as Security Mechanisms
10:40	488	Importance of Real-time Interpreters to Transform Non-native Language to Native Language
10:50	489	Artificial Intelligence in Hybrid Cars: Sustainability of Car
Presentations - Track: Information Technology (Online): Room 8
09:00	260	Anonymous Threat Creators Detection in social media using Support Vector Machine technique with improved accuracy compared with Random Forest Technique
09:10	261	Improved Accuracy in Detection of Driver Drowsiness using Novel Random Forest Classifier Compared with Decision Tree Classifier
09:20	262	Car Price Prediction using Linear Regression and Accuracy Performance Comparison with KNN Algorithm
09:30	263	Comparison of K ßneighbors classifier with RF Algorithm to improve Accuracy for Phishing Attack Detection in website
09:40	264	Classification of Human Emotions Based on Voice Patterns to Improve Accuracy using Convolutional Neural Network over Random Forest
09:50	266	Optimizing Real Estate Valuation with Novel Linear Regression and Gradient Boosting Algorithms
10:00	268	An Improved Naive Bayesian Human Activity Recognition System with Machine Learning via Support Vector Machine
10:10	426	A Multi – Parameters Decision Making Model for Medical Infusion Devices' Maintenance Programmes by Using Analytic Hierarchy Process
10:20	608	Utilizing Goal Model for Systematic NFRs Management and Testing in Agile Development
10:30	28	Machine Learning-Driven Condition Monitoring and Fault Detection in Manufacturing
10:40	162	Diabetic Retinopathy Detection Using Image Processing and Machine Learning Techniques
10:50	15	Unlocking Pervasive learning in Pakistani Universities: Key factors of Adoption and Usage in Developing Countries
Presentations - Track: Machine Learning-II (Online): Room 9
09:00	242	An Efficient Method In Detection Of Spam Emails Using CNN In comparison With SVM
09:10	244	An Improved Handwritten Digit Recognition Using Novel Ensemble Architecture Comparing Convolution Neural Network Compared Over Random Forest
09:20	247	Sign Language Recognition for Deaf People using Novel CNN Compared with GCN and BERT
09:30	248	Comparing Random Forest and Support Vector Machine for Accident Severity
09:40	249	An Efficient Framework for Improving Accuracy in Crime Detection using SVM Algorithm Compared with CNN Algorithm
09:50	250	Convolutional Neural Network vs. Random Forest for Accurate Human Face Recognition in Cybercrime Analysis
10:00	252	Enhancing Accuracy in Early Pneumonia Diagnosis with a Novel Support Vector Machine and Convolutional Neural Network

10:10	253	Enhancing Accuracy in Automatic Toxic Speech Detection using Novel AdaBoost and Naive Bayes Algorithms
10:20	256	Efficient Predictive Analysis for Intrusion Detection using Recurrent Neural Network Compared over Convolutional Neural Network with Better Accuracy
10:30	257	High Speed Intrusion Detection Using Lexicographic Method in Compared Over Artificial Neural Networks with Better Accuracy
10:40	258	Enhancing Brain Tumor Detection Accuracy with an RNN Model Compared to R-CNN Classification
10:50	259	Phishing Attack Detection using Logistic Regression and Novel Random Forest Algorithm to improve Accuracy
Presentations - Track: Artificial Intelligence-II (Online): Room 10	
09:00	284	Comparative Analysis of Multispectral Satellite Image Segmentation for Land Cover Classification: Novel Naive Bayes vs. Convolutional Neural Networks
09:10	286	Enhanced Image Forgery Detection Accuracy Using a SVM over Linear Regression
09:20	287	Analysis of Road Accident Detection using Random Forest over Logistic Regression with Improved Accuracy
09:30	288	Comparative Analysis of Cyber Crime Breaches using Random Forest over Decision Tree to Improve Accuracy
09:40	290	Optimizing Friction Stir Welding of Aluminum-Magnesium Dissimilar Joints Utilizing the TOPSIS Technique
09:50	313	EEG Signal Classification for Epileptic Seizure Detection Using Multi Class Convolutional Neural Network Compared with Statistical Pattern Recognition
10:00	314	EEG Signal Analysis for Epileptic seizure Detection Using Support Vector Machine Compared with Statistical Pattern Recognition
10:10	315	Foreground Detection in Dynamic Scenes using Convolutional Neural Networks in comparison with Gaussian Mixture Model to measure F-score
10:20	318	The present investigation aims to assess the efficacy of Convolutional Neural Networks and Artificial Neural Networks in the domain of picture categorization.
10:30	319	Startup Profit Prediction Using the Artificial Neural Networks on Comparison with Multi Linear Regression
10:40	320	Predicting Amazon Stock Prices from Customer Trends Using Recurrent Neural Networks Compared to Decision Tree Algorithms
10:50	325	Improving Detection and Counting Accuracy of Humans Using Convolutional Neural Networks Compared to Principal Component Analysis
Presentations - Track: Data Science and Analytics-II (Online): Room 11	
09:00	336	Enhancements To The Precision Of Customer Usage Forecasts On A Financial Institution Customer Using Random Forest And AdaBoost Classifier
09:10	338	Problem Solving Placement Training Skill Through Web Applications in Comparison with IOS App for Data Consumption Processing
09:20	339	Enhancing the Accuracy in Prediction of House Prices using Random Forest Algorithm with the Hyper Parameter Tuning in comparison with Support Vector Machine
09:30	340	Analyzes Data Consumption by Comparing Student Club Activities Through Web Application and iOS App for Efficient Processing
09:40	341	Innovative Approach to Enhancing Road Lane Detection Accuracy with Receiver Operating Characteristic: Utilizing SIFT Instead of LDA
09:50	342	Investigating the Performance of Alexnet Compared Over X Gradient Boosting Algorithm with Accuracy in Predicting Mine and Rock
10:00	348	Using Extreme Gradient Boosting (XGBoost) for Machine Learning-Based Customer Churn Prediction in Home Appliance Rental Businesses: An Improvement Over Random Forest
10:10	349	Predictive Analytics on Maritime object detection and classification accuracy using Multi-Layer Perceptron in comparison with Residual Networks (ResNets)
10:20	350	Enhanced Prediction of House Price Prediction using Novel Linear Regression in comparison with Ridge Regression
10:30	351	Designing a Chatbot using Long short term memory algorithm to Evaluate the Accuracy in comparison with Naive Bayes Algorithm
10:40	353	Efficient prediction of malicious social bots with URL features using DenseNet compared over ResNet50 with improved accuracy
10:50	354	Enhanced Forecasting Methods for Best Route Analysis by Random Forest Algorithm Over Naive Bayes Algorithm
11:00 END of Session	

	Session 2	
Presentations - Track: Machine Learning (Online): Room 1		
Time	**Paper ID**	**Paper Title**
13:00	220	Improved F-Measures over Gaussian SVM for Handwritten Digit Recognition Using LSTM to Increase Accuracy
13:10	221	Comparing Logistic Regression Algorithm with K-Nearest Neighbor Algorithm to Extract Features from Images for Prescriptive Analysis of Mushroom Contamination
13:20	222	A Novel Method to Predict the Accuracy of Loan Sanction using KNN Algorithm and Compare with Decision Tree Algorithm
13:30	223	Frame Blocking Technique for Speech Emotion Recognition using Novel Logistic Regression Algorithm Compared with Decision Tree Algorithm for Accuracy
13:40	225	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 Approac
13:50	226	Efficiency Analysis of Predicting Handwritten Equation Solver using CNN over SVM Algorithm
14:00	227	Improving User Excellence by Assessing Satisfaction through Quantitative Survey in Collaboration Checklist between IOS and Web Platforms for Higher Rating Accuracy
14:10	231	A Comparative Analysis of K-Nearest Neighbors and Support Vector Machine for Human Emotion Detection Based on Voice Patterns to Improve Accuracy
14:20	233	Improved accuracy in Accident detection system using Novel Support vector Machine compared with Convolutional Neural Networks
14:30	236	Evaluating the Accuracy of Patient Length of Stay Predictions Through a Comparison of Deep Belief Networks and Convolutional Neural Networks
14:40	239	Enhancing Human Voice Gender Classification: A Comparative Analysis of Support Vector Machine and Convolutional Neural Network Algorithms
14:50	241	Improving Accuracy in Human Voice Recognition for Gender Classification Using Machine Learning ALgorithms
Presentations - Track: Data Science and Analytics (Online): Room 2		
13:00	307	Optimization of Dataset for Earthquake Prediction using FPA-LS-SVM Model in Comparison with ELM Model
13:10	309	Prediction of Earthquake Magnitude with Improved Accuracy using FPA-LS-SVM Model in Comparison With LS-SVM Model
13:20	311	Improving Vehicle Detection Accuracy-A Comparative Analysis of YOLO and OpenCV
13:30	312	Moving object detection using Eigen Background in Comparison With Gaussian Mixture Model to measure F-Score
13:40	316	Improving Parkinson's Disease Prediction Accuracy: A Comparative Analysis of Logistic Regression and Decision Tree Models
13:50	317	Relative Analysis prediction for Threat detection with Random Forest Algorithm over KNearest Neighbour Algorithms
14:00	324	Crime rate prediction and analysis using Random Forest compared over linear regression with improved accuracy
14:10	327	Pioneering Crop Yield Forecasting in Precision Agriculture through Comparative Study of U-net Algorithm and Mobilenet Algorithm Using Advanced Satellite Data Analysis
14:20	329	A Novel approach for Prediction of Subscription Churn using XGBoost and comparing with Random Forest to Improve Accuracy
14:30	331	Improving Efficiency Over Cost and Performance Gains in Small and Medium-sized Enterprises (SMEs) using Message-Digest 5 Algorithm In comparison with El Gamal Algorithm
14:40	332	Improving user Excellence by Assessing Satisfaction through Quantitative Survey in Equipment Health Meter for Comparative Exploration between iOS and web platforms for Higher Rating Accuracy
14:50	335	Improving Prediction Accuracy for Air Pollution during Lockdown using Predictive Linear Regression Compared with Random Forest
Presentations - Track: Smart Cities and IOT/ Environment and Sustainability (Online): Room 3		
13:00	420	Sports Match Prediction Analysis Applying Machine Learning Model with Rule-Based Approach
13:10	428	Quantum Dot-Based Hidden Markers with Machine Learning Algorithms for Enhanced Forensic Investigation and Document Security
13:20	429	An empirical examination of machine learning-based attack classification in Internet of Things networks
13:30	447	The Conceptual Framework of Knowledge of Large Scale and Incomplete Graphs of Skyline Queries Optimization Using Machine Learning
13:40	452	Optimizing Crop Selection with Machine Learning: Enhancing Agricultural Efficiency and Sustainability

13:50	481	COMPARATIVE ANALYSIS OF OBJECT DETECTION AND RECOGNITION IN LOW LIGHT IMAGE TECHNIQUES
14:00	493	Securing IoT Devices in Smart Homes Using ML-Based Anomaly Detection
14:10	395	A Comprehensive Framework for Milk Quality Prediction using Machine Learning
14:20	356	Comparative Analysis of Titanic Data Prediction using Logistic Regression and. Support Vector Machine for Enhanced Accuracy
14:30	357	Higher Accuracy of Drought Prediction using Linear Discriminant Analysis Algorithm Over AdaBoost Algorithm
14:40	359	Efficient House Price Prediction using Deep Belief Network Compared over ANN with Improved Accuracy
14:50	360	Forecasting the Efficiency of Bitcoin Market Price using Novel Apriori Algorithm and Compare the Prediction Accuracy with Linear Regression Algorithm
Presentations - Track: Artificial Intelligence (Online): Room 4	
13:00	328	Machine Learning approach for Heart Failure Prognostication: comparison of Bayesian Network Approach with Gradient Boosting algorithm to improve accuracy
13:10	330	Comparison Of Decision Tree with Linear Discriminant Analysis to Accurately Predict Pulsar Stars To Explore Space Efficiently
13:20	333	PREDICTING EFFECT OF SEPSIS USING CONVOLUTIONAL NEURAL NETWORK WITH VARIANTS OVER SUPPORT VECTOR MACHINE TO IMPROVE ACCURACY
13:30	346	Strengthening Public Exam Integrity: Reliable Attendance Verification and Impersonation Detection using Image Recognition Fusion of Convolutional Neural Network and K – Nearest Neighbors
13:40	347	Enhanced Emotion Recognition System Accuracy with New Convolutional Neural Network instead of K-Nearest Neighbor
13:50	355	Enhanced the Accuracy in Handwritten Character Recognition Using Novel Open Scale-Invariant Feature Transform Algorithm Over Principal Component Analysis
14:00	358	Lossy and Lossless Image Compression using Convolution Neural Network Algorithm over Gradient Boost Algorithm with Improved Accuracy
14:10	370	ML-Based Intelligent Control and Optimization for Enhanced BGP Path Selection in SDN
14:20	371	An Enhanced VANET SDN Control Plane: Leveraging Hybrid Gaussian SVM-Dijkstra Approach
14:30	374	Development of a Machine Learning Models for Predicting COVID-19 and the selecting the drug for the patient for the early recovery
14:40	375	Evaluation of Machine Learning Methods for Pancreatic Cancer Detection Using CT scans
14:50	377	Synergistic Deep Learning Pipeline for Dermatological Image Classification: Cascaded U-Net Denoising and Feature-Selective CNN with Fused Feature Extraction
Presentations - Track: Computing (Online): Room 5	
13:00	587	Comparison of Improved Single Shot MultiBox Detector with Fast R-CNN for detecting Fashion Item Counterfeit to improve accuracy in price prediction
13:10	588	Detection of Traffic Signs Utilizing an Innovative Multi-View Support Vector Machine and Evaluating Accuracy Against K-Nearest Neighbors
13:20	589	A robust deep learning method for predicting brain strokes using the innovative DenseNet algorithm in comparison to Long Short-Term Memory (LSTM)
13:30	590	A Real Time Malfeasance Prediction for Multivariate Spatio-Temporal Data using Novel Geospatial Algorithm Compared with Reinforcement Learning Algorithm
13:40	591	Multivariate Malfeasance Prediction in Spatio-Temporal Data Using a Novel Geospatial Algorithm: A Comparison of Accuracy with Anomaly Detection Algorithms
13:50	592	Analyzing and Contrasting Random Forest and K-Nearest Neighbors for Bus Ticket Price Prediction
14:00	593	Evaluating the Effectiveness of Visual Content in Motion Show Recommendations: A Comparison of Reinforcement Learning and Autoencoders
14:10	594	Improving the Image quality using Generative Adversarial Network in comparison with Support Vector Machine
14:20	595	An Innovative Method for Forecasting ESPORTS Market Growth by Utilizing the Random Forest Algorithm, Compared to the LightGBM Algorithm for Improved Accuracy
14:30	596	Automatic Nail Deformities Detection using CNN in Comparison with Random Forest Algorithm to Improve Accuracy
14:40	597	ECG Assessment for Early Recognition of Cardiac Irregularities with Improving Accuracy Using Random Forest Comparison with Decision Tree
14:50	598	Estimation of Fuel efficiency with improved accuracy using Decision Tree compared with support vector machine
Presentations - Track: Engineering Technology (Online): Room 6	
13:00	599	Comparison Analysis of Development Time in Ortho-Flex-Knee between Android Application and iOS Application
13:10	600	An Enhanced Guitar Chord Recognition System for improving accuracy using Novel Long–Short-Term Memory Algorithm compared with Support Vector Machine Algorithm

13:20	601	Enhancing Accuracy of stress level analysis using Logistic Regression over KNN
13:30	602	Evaluating the Collision Detection Capability of Reinforcement Learning Algorithm compared to PID Control Algorithm in Deep Sea Exploration
13:40	603	Improving Accuracy in Orbit Classification for Precision Prediction through Advancing Space Exploration with an AI-ML-DL Ensemble of CART Compared to DNN
13:50	604	A Comparative Analysis of Customer Lifetime Value Using Novel Optimized Linear Regression and Light Gradient Boosting Machine
14:00	605	Enhancing Rating Accuracy through Quantitative Survey in Ortho-Flex-Knee Using Android Application and Compared with iOS Application
14:10	606	Improving Sugarcane Disease Identification Efficiency by Comparing Novel Long Short-Term Memory and Convolutional Neural Network Algorithms Based on Accuracy
14:20	567	Forecasting Crude Oil Prices using a Comparison of Capsule Networks and Recurrent Neural Networks for Classification
14:30	581	Person diagnosis data for risk identification classification using random forest over Naive Bayes algorithm to improve the accuracy
14:40	582	Improved Accuracy Of Forecasts On Customer Usage On A Financial Institution Customer Using Random Forest And Support Vector Machine
14:50	583	Enhancing Person diagnosis data for risk identification prediction using random forest over Support Vector Machines to improve the accuracy

Presentations - Track: Engineering and Computer Technology-I (Online): Room 7		
13:00	490	Comparing ML Algorithms: A Comprehensive Evaluation of Intrusion, Anomaly, and DoS Attack Detection Systems
13:10	491	M-commerce Security Analysis: Automated Penetration Testing with MobSF
13:20	487	Exploring the Scopus Bibliometric Dataset for Analysing the Structure of Detected Communities
13:30	378	A Neural Network Approach for Early Prediction of Heart Failure: A Machine Learning Study
13:40	379	An Effective Technique For Early Cirrhosis Prediction using Machine Learning
13:50	380	A Predictive Analytics for Water Assessment: A Machine Learning Approach
14:00	381	Early Prediction of Type 2 Diabetes Using Machine Learning
14:10	382	An Integrated Framework for Effective Prediction of Chronic Kidney Disease
14:20	383	Generalized Linear Regression in Machine Learning for Accurate House Price Prediction
14:30	384	Enhancing Gender Classification Accuracy through Machine Learning Algorithms
14:40	385	A Machine Learning Framework for Effective Prediction of Breast Cancer
14:50	418	A Machine Learning Approach for Accurate Prediction of Student Performance

Presentations - Track: Information Technology (Online): Room 8		
13:00	419	Sybil attack detection and prevention in VANETs: A survey
13:10	421	SLR: A Survey on Improving Performance and Denoising in Image Processing
13:20	422	Short Message Service (SMS) Security in Android: A Survey
13:30	423	NFT Minting DApp: A Decentralized Application for Converting Digital Assets into Non-Fungible Tokens
13:40	424	An Intelligent Technique for Effective Mult disease Prediction
13:50	425	A Study of Student Health and Exercise Patterns: Data Analysis and Model Predictions
14:00	442	Biometric based two factor authentication for online banking
14:10	405	The utilization of AI in fraud detection in smart Cities
14:20	407	Navigating the cybersecurity measures and vulnerabilities associated with influencer marketing Including Data privacy and protection
14:30	410	Detecting Hallucinations in Textual Data: Insights from Machine Learning Models in Contextual QA
14:40	416	Social Engineering Attack Awareness and a Hybrid Detection Method
14:50	417	An Intelligent Approach for the Effective Classification of Glass Quality

Presentations - Track: Engineering and Computing-I (Online): Room 9		
13:00	584	Production of Special Effects for Film and Television Using Modern Technology: A Statistical Machine Learning Perspective an Improved CNN Compared with Random Forest Classifier with Improved Accuracy
13:10	12	Generative AI in Medicine: Advancements and Future Directions
13:20	505	High Accuracy of Detecting Phishing Websites using Random Forest Algorithm Comparing with K-Nearest Neighbors Algorithm
13:30	453	Optimal Distributed Generation Placement in Radial Distribution System Using Particle Swarm Optimization
13:40	95	Innovative IoT Solutions: A Comprehensive Study of the MATTER Standard in Smart Home Integration
13:50	306	Design of Hilbert Curve Shaped Fractal Antenna with Increased Fractal Stages to Enhance Radiation Efficiency by Comparing with Conventional Fractal Antenna

14:00	466	Gender Classification Improvement in Text Data using Deep Learning
14:10	394	Enhancing Online Learning Experiences: A Real-Time Facial Expression Recognition System for Dynamic Engagement Assessment
14:20	269	A Handwritten Digit Recognition Using With Convolutional Neural Networks with Compared K-Nearest Neighbor with Improved Accuracy
14:30	273	Improving accuracy in Ecg signal for heart malfunctioning using machine learning using CNN Autoencoder compared to CNN1d
14:40	275	AI Mentor for Timely Equivalence Certification with Transformer Model Approach
14:50	283	Prediction Accuracy of Water Quality using Novel Artificial Neural Network over Improved Random Forest

Presentations - Track: Engineering and Computing-II (Online/ Recorded): Room 10

13:00	368	I-SMC Robust Control for Temperature Instability in VTOL-UAV Operational Cluster
13:10	369	Optimization and Control of a UAV Computational Cluster: A Hybrid MPC Fuzzy-PI Approach
13:20	370	ML-Based Intelligent Control and Optimization for Enhanced BGP Path Selection in SDN
13:30	371	An Enhanced VANET SDN Control Plane: Leveraging Hybrid Gaussian SVM-Dijkstra Approach
13:40	404	Synergetic Control Design to Controlled PWM Buck Power Converter
13:50	412	Status and Trend Analysis of Supply Chain Interruption Research Based on Bibliometrics
14:00	427	Intelligent Logistics: Comparative Analysis of Themes based on BERTopic
14:10	441	IIUMeMall: A Digital Marketplace for Campus
14:20	443	Enhancing Business Process Management (BPM) Sustainability in the Agriculture Sector through Precision Agriculture, IoT, and UAV Technologies
14:30	483	Majority vote for electroencephalography (EEG)-based migraine classification
14:40	499	Visualization and Analysis of Literature Related to Vehicle Path Problems
14:50	500	Analysis of Research on Cold Chain Logistics Cost Optimization Based on Scientific Knowledge Mapping

Presentations - Track: Engineering and Computer Technologies-II (Online): Room 11

13:00	546	A Framework Using IoT-enabled Machine Learning Techniques for Predicting Major Injuries and Medical Sports Rehabilitation
13:10	547	A deep neural network for forecasting the energy sector's future demand in support of an equitable economy
13:20	548	Deep neural network and zero trust principles for intelligent drone management
13:30	549	Artificial Intelligence and Computer Vision based Technique for Effective Facial Recognition System
13:40	550	Analysis of a Predictive Model for Diabetes Prevention Based on Integrated Mobile Health Applications
13:50	551	6G-assisted Internet of Things Security Using Artificial Intelligence
14:00	552	Methods for Securing IoT Devices Using Machine Learning and Deep Learning: An Evaluation
14:10	553	Internet of Things and Big Data Analysis-Based Research into the Integrated Growth of Culture and Tourism
14:20	554	Trends, Challenges, and Future Research Directions of Bio-inspired Robotics Field
14:30	149	Performance Metrices Analysis for Diabetes Prediction Using Machine Learning algorithm
14:40	174	Parameters Identification For Effective IoT Based School Bus Monitoring in Zanzibar
14:50		

Presentations - Track: Track: Recorded Presentations -I(Online): Room 12

13:00	38	A survey of Augmented Intelligence: improving Human Decision-Making with AI incorporation
13:10	46	Hybrid Search RAG with LangChain and Pinecone Vector DB
13:20	62	The Darkweb Paradox: The Duality of Anonymity and its Impact on Cybercrime
13:30	65	Exploratory Electronic Signal Processing With Scipy And C-Spline
13:40	70	Assessment of Wireless Passive Water Quality Catchment Monitoring Systems's Repeatability for Potential of Hydrogen and Water Speed
13:50	71	RISE Controller Design to Regulate Output Voltage of Switched Buck Power Converters
14:00	72	RISE Controller Design for Tail-Sitter VTOL Aircraft
14:10	90	Performance Analysis of Simulated Annealing on the 0-1 Knapsack Problem
14:20	122	Design and Development of a Crusher Machine for Recycled Plastic
14:30	144	Assessment of Reliability-based pre-determined and post-determined Distributed Generation location
14:40	175	A Comparative Study of Reliability and Loss Minimization in DG Placement Using Hybrid Analytical-Grey Wolf Optimization
14:50	508	Multi-Category Bone Fracture Detection Based on Deep Learning in X-ray Imaging Using YOLOv8s

15:00 END of Session