



International Conference on Artificial Intelligence & Emerging Technologies

Shaping the Future through Innovation

ICAJET 2023

MNS University of Agriculture, Multan
29-30 November, 2023

INAUGURAL SESSION

29 November 2023 (Wednesday), Day 1

Venue: Main Conference Hall

Zoom link: https://us06web.zoom.us/j/82163560920?pwd=0C0b2XUPyuBzhrBJ2QmCwgDIwhS1yg.GH	
Time	Event
10:00 am - 10:05 am	Recitation of Holy Quran
10:05 am - 10:10 am	Naat Rasool (S.A.W)
10:10 am - 10:20 am	Welcome Address by Prof. Dr. Asif Ali (T.I) (Vice Chancellor, MNS University of Agriculture, Multan, Pakistan)
11:00 am - 11:30 am	Keynote Speaker: Prof. Dr. Stephen Marsland (Victoria University of Wellington, New Zealand) (Online)
11:30 am - 11:45 am	Keynote Speaker: Dr. Waqas Haider Bangyal (Kohsar University, Murree)
12:00 pm - 12:25 pm	Keynote Speaker: Dr. Mickael Coustaty (La Rochelle University, France)
12:25 pm - 12:40 pm	(Session at Video Conferencing Room 328) Join Zoom Meeting https://us06web.zoom.us/j/89797929182?pwd=MLxjiofQw82aOMVbU1mz7Tt09fVjGh.1 Meeting ID: 897 9792 9182 Passcode: 709925
12:40 pm - 01:00 pm	Address by the Chief Guest
01:00 pm - 02:00 pm	Lunch and Prayer Break
02:00 pm – 5:30 pm	Technical Sessions
07:30 pm - 09:30 pm	Sham-e-Ghazal



TECHNICAL SESSION - I

November 29, 2023, 02:00-06:05 pm

HEC Video Conferencing Room (328)

Day 1

Zoom Meeting: https://us06web.zoom.us/j/89797929182?pwd=MLxjiofQw82aOMVbU1mz7Tt09fVjGh.1 Meeting ID: 897 9792 9182 Passcode: 709925			
Integrated Intelligence: AI-driven Predictive Analysis, Data Mining, and Natural Language Processing			
Moderator	Dr. Nadeem Iqbal/ Mr. Jawad		
Session Chair	Prof. Dr. Najia Saher		
Session Co-Chair	Dr. Mubashir Hussain Malik		
Time	Title	Presentor	Mode of Presentation
02:00 pm-02:05 pm	Session chair Opening remarks	Prof. Dr. Najia Saher	Physical
02:05 pm-02:20 pm	Dr. Asiya Khan (Associate Professor at University of Plymouth, UK)	Keynote Speaker	Oral (Online)
02:20 pm-02:35 pm	Dr. Nadeem Abbas (Senior Lecturer at Linnaeus University, Sweden)	Keynote Speaker	Oral (Online)
02:35 pm-02:45 pm	Enhanced Database Retrieval Performance Using Adaptive Search Algorithms Authors: <i>Yumna Niaz, Humayun Salahuddin, Ammar Sikander, Wajahat Anwaar Bukhari, Ismail Kashif</i>	Yumna Niaz	Oral (Physical)
02:45 pm-02:55 pm	The Future of Networking: Harnessing Block-chain and Machine Learning Authors: <i>Ghulam Yaseen, Mah Rukh Sajjad, Laiba Batool, Muhammad Aqib, Hafiz Ifran hussain</i>	Ghulam Yaseen	Oral (Physical)
02:55 pm-03:05 pm	Improved Lane Detection for Autonomous Vehicles using Deep Learning, Semantic Segmentation, Edge Detection and Multi-Sensor Data Fusion Authors: <i>Babar Ali, Ammar Sikander, Muhammad Umair Sajid, Muhammad Uzair Baqir</i>	Babar Ali	Oral (Physical)
03:05 pm-03:15 pm	Developing an automated bird surveillance system using deep learning Authors: <i>Fazal Ur Rehman, Ayesha Hakim</i>	Fazal Ur Rehman	Oral (Physical)
03:15 pm-02:25 pm	Cyber security for healthcare using Federated learning. Authors: <i>Khadija Muneer, Dr. Tauqeer safder</i>	Khadija Muneer	Oral (Online)



03:25 pm-03:35 pm	Fine-tuned YoloV8x for Detection of Small Insect Pests in agriculture fields Authors: <i>Ayesha Hakim, Ali Hamza, M. Owais, Nimra Khan</i>	Ali Hamza	Oral (Physical)
03:35 pm-03:45 pm	Prediction of Drug Protein Interaction using Machine Learning and Deep Learning Approaches Authors: <i>Sadia Ejaz, Syeda Abida Ejaz, Mubashir Aziz, Syed Ali Nawaz Shah</i>	Sadia Ejaz	Oral (Online)
03:45 pm-03:55 pm	Text Analysis-Based Detection System for Cyber Bullying on social media Authors: <i>Arsal Ahmad, WAMIQ ALI KHAN KHAN, SHAH AHMED, AHSAN ABBASI, Muhammad Anus, Syed Muhammad Atif</i>	Wamiq Ali Khan Khan	Oral (Online)
03:55 pm-04:05 pm	Classification of Oleic Sunflower seeds (<i>Helianthus annuus</i>) using Computer Vision Techniques Authors: <i>Muhammad Shehzad, Salman Qadri, Manal Ahmad, Ramsha Ahmad</i>	Muhammad Shehzad	Oral (Physical)
04:05pm-04:15pm	Enhancing the Crop Yield Prediction using Machine Learning Approaches Authors: <i>Ramsha Ahmad, Manal Ahmad, Muhammad Shehzad, Muhammad Ahsan Jamil</i>	Ramsha Ahmad	Oral (Online)
04:15pm-04:25pm	A Model to Detect Heart Attires Blockage Using Artificial Intelligence and Machine Learning Algorithm Authors: <i>Sidra Habib</i>	Sidra Habib	Oral (Physical)
04:25pm-04:35pm	Breast Cancer Diagnosis: A Transfer Learning-based System for Detection of Invasive Ductal Carcinoma (IDC) Authors: <i>Sukana Zulfqar, M. Azam Zia, Faisal Mehmood, Touqeer Abbas, Anjum Ali</i>	Faisal Mehmood	Oral (Online)
04:35pm-04:45pm	Strategies for Implementing Big Data Analytics as a Service in Business Intelligence Authors: <i>Muhammad Muavia Ateeq, Hammad ur rehman Riaz hussain, Nouman ijaz</i>	Hammad Ur Rehman Riaz Hussain	Oral (Physical)
04:45pm-04:55pm	PVNS (Pigmented villonodular synovitis) Authors: <i>Neelam Akkram, Humayun Salahuddin</i>	Neelam Akkram	Oral (Physical)
04:55pm-05:05pm	Cross-Language Information Retrieval: Bridging Linguistic Divides for Effective Search Authors: <i>Iras Manzoor, Dr. tauqeer safder</i>	Iras Manzoor	Oral (Online)



05:05pm-05:15pm	A Comprehensive Survey of Sentiment Analysis using Machine Learning: Models, Datasets, and Challenges Authors: <i>Muhammad Umar</i>	Muhammad Umar	Oral (Online)
05:15pm-05:25pm	Analyzing Cache Server Placement's Impact On SDN-Based Cooperative Caching Authors: <i>Muhammad Talha Jahangir, Muhammad Umar Farooq, Afaq Ahmad Khan</i>	Muhammad Talha Jahangir	Oral (Online)
05:25pm – 05:35pm	Efficient Mobile-Driven Automated Attendance System Employing Biometric Authentication For University Employees Authors: <i>Muhammad Talha Jahangir, Muhammad Shehzad, Zain Ul Abdeen, Rimsha Asghar</i>	Muhammad Talha Jahangir	Oral (Online)
05:35pm – 05:45pm	Bilingual Toxic Comment Classification in English And Roman Urdu Through Machine Learning Authors: <i>Muhammad Talha Jahangir, Muhammad Ahmad, Rao Imtinan, Muhammad Ghazanfar Ali</i>	Muhammad Talha Jahangir	Oral (Online)
05:45pm-05:55pm	Real-Time Raman Spectroscopy for Noninvasive Skin Cancer Detection – Preliminary Results Authors: <i>Fizza Hasan, Wajahat Anwaar, Ammar Sikander, Ismail Kashif, Humayun Salahuddin</i>	Fizza Hasan	Oral (Physical)
05:55 pm-06:05 pm	Concluding Remarks by the Chair	Prof. Dr. Najia Saher	

TECHNICAL SESSION - II

November 29, 2023, 02:00pm-05:45pm

Syndicate Hall

Day 1

Video call link: https://meet.google.com/hfh-mtwj-cvj			
Application of AI and Sustainable Agriculture			
Moderator	Dr. Sanaullah Badar/ Mr. Yasir Khan/ Mr. Ahmad		
Session Chair	Dr. Waqas Haider Bangyal		
Session Co- Chair	Dr. Samina Naz Dr. Ayesha Afzal		
Time	Title	Presenter	Mode of Presentation
02:00 pm-02:05 pm	Session Chair Remarks	Dr. Waqas Haider Bangyal	Physical



02:05 pm-02:15 pm	Real-time detection and classification of psittaciformes species using deep learning in aviculture. Authors: <i>Mubashir Dilawar</i>	Mubashir Dilawar	Oral (Online)
02:15 pm-02:25 pm	Performance Evaluation of Best Feature Subsets for Cotton Yield Prediction Using Machine Learning Algorithms Authors: <i>Uzma Rafeeq, Muhammad Sanaullah Badar, Ateeqa Iqbal, Hira Rehman, Rahat Qudsi</i>	Uzma Rafeeq	Oral (Online)
02:25 pm-02:35 pm	Soil Properties Analysis Using Deep Learning Authors: <i>Ateeqa Iqbal, Uzma Rafeeq, Dr. Muhammad Sanaullah Badar</i>	Ateeqa Iqbal	Oral (Online)
02:35 pm-02:45 pm	Artificial intelligence-based approach to control Colony Collapse Disorder in Beehive. Authors: <i>Asma Rehman, Dr. Nadeem Iqbal</i>	Asma Rehman	Oral (Physical)
02:45 pm-02:55 pm	Feature Fusion Based Characterization of Black Spot and Greening Disease Using Deep Learning Authors: <i>Farzeen khan, Adnan Altaf, Hira Khan</i>	Farzeen khan	Oral (Online)
02:55 pm-03:05 pm	Tomato Leaf Disease Classification Using Convolutional Neural Network and Machine Learning Approaches Authors: <i>Abdul Haseeb Wajid, Muhammad Arshad, Najia Saher, Ali Nawaz, Muhammad Nasir</i>	Abdul Haseeb Wajid	Oral (Physical)
03:05 pm-03:15 pm	Explainable AI in Precision Agriculture using Machine Learning for predictive analytics of smart irrigation Authors: <i>Manal Ahmad, Ramsha Ahmad, Muhammad Shehzad, Muhammad Ahsan Jamil</i>	Manal Ahmad	Oral (Online)
03:15 pm-03:25 pm	Analysis of Postharvest Losses in Citrus Fruit using Hybrid Features Authors: <i>Minhal Arsahd, Salman Qadri</i>	Minhal Arsahd	Oral (Physical)
03:25 pm-03:35 pm	Marker-less Pose Estimation for Animal Behavior Mining using Deep Learning Authors: <i>Romesa Rao, Salman Qadri</i>	Romesa Rao	Oral (Online)



03:35 pm-03:45 pm	Development and Advantages of an AI-Driven Smart Lighting, Insect Detection and Automatic Spray System for Precision Agriculture Authors: <i>Muhammad Ahmad, Sidra Habib</i>	Muhammad Ahmad	Oral (Physical)
03:45 pm-03:55 pm	Soft Computing-Based Climate Change Monitoring System using Multi-Sensor Dataset Authors: <i>Laraib Noor, Dr. Salman Qadri</i>	Laraib Noor	Oral (Physical)
03:55pm-04:05pm	Identification of TALE-associated effector binding elements in plants by using machine learning Authors: <i>Muhammad Shan, Javeria Jabeen, Zulqurnain Khan, Israr Hussain, Shaista Kanwal</i>	Muhammad Shan	Oral (Online)
04:05pm-04:15pm	AI-based Smart Storage Chamber for Improvising Shelf-Life of Perishable Food Crops Authors: <i>Syed Wajahat Mashkooor, Ayesha Hakim</i>	Syed Wajahat Mashkooor	Oral (Physical)
04:15pm-04:25pm	Identification of begomovirus using deep learning in various crops Authors: <i>Areej Rani, Aamir Hussain, Dr. Zulqurnain Khan, Dr.M Ali Imran, Dr.Salman Qadri</i>	Areej Rani	Oral (Online)
04:25pm-04:35pm	Automated Plant Health and Pest Control System using Frontier Technologies Authors: <i>Muhammad Anus, Ashar Ahmed, Ali Saqlain, Waqas Jan, Syed Muhammad Atif</i>	Ashar Ahmed	Oral (Physical)
04:35pm-04:45pm	Smart Solution for achieving zero hunger in Pakistan towards sustainable agriculture and food system using machine learning Authors: <i>Hamza Hussain, Hira Nazir, Muhammad Sami Ullah</i>	Hamza Hussain	Oral (Physical)
04:45pm-04:55pm	Prediction of agricultural outcomes for next 10 years using machine learning Authors: <i>Maaz Fareed, Dr. Sana Ullah Badar</i>	Maaz Fareed	Oral (Online)
04:55 pm-05:05 pm	Evaluation of meat quality using non-destructive methods Authors: <i>Raja Shahzaib Ahmed, Aamir Hussain, Altaf Hussain, Arooj Sarfraz, Areej Rani, Rimsha Khadim</i>	Raja Shahzaib Ahmed	Oral (Physical)



05:05 pm-05:15pm	Weed detection and spraying architecture using deep learning. Authors: <i>Mariyam pervaiz, nadeem iqbal</i>	Mariyam pervaiz	Oral (physical)
05:15 pm – 05:25pm	Analysis of State-of-the-Art Object Detection Algorithms for Multi-Pest Detection, with Emphasis on Small Object Detection Authors: <i>Ali Hamza, Ayesha Hakim, Nimra Khan</i>	Ali Hamza	Oral (physical)
05:25 pm – 05:35pm	Smartly Cotton Crop Diseases Detection Using Artificial Intelligence Authors: Ghulam Madni	Ghulam Madni	Oral (Online)
05:35 pm-05:45 pm	Concluding Remarks by the Chair		

TECHNICAL SESSION - III

November 29, 2023 (02:00pm-05:25pm)

Outreach & Continuing Education

Day 1

Video call link: https://meet.google.com/rdp-ekzs-mkq			
Integrated Technologies in Life Sciences and AI			
Moderator	Mr. Israr Hussain/ Ms. Manal/ Mr. Rashid		
Session Chair	Dr. Syed Ali Nawaz		
Session Co-Chair	Dr. Muhammad Tariq Mahmood Dr. Muhammad Faisal		
Time	Title	Presenter	Mode of Presentation
02:00 pm-02:05pm	Session Chair Remarks	Dr. Syed Ali Nawaz	Physical
02:05 pm-02:15pm	Bio-Informatics Exploration of Drug Interactions and Protein Networks in Stress and Depression Authors: <i>Muhammad Irfan, Salman Muhammad, Muntazir mehdi</i>	Muhammad Irfan	Oral (Physical)
02:15 pm-02:25pm	Deep-SNP for marker validation associated with common traits of cotton Authors: <i>Mahak Rafiq, Ayesha Hakim</i>	Mahak Rafiq	Oral (Physical)
02:25 pm-02:35pm	IoT-based Real Time Emergency Healthcare Monitoring System using Machine Learning Application in Edge Devices Authors: <i>Muhammad Ahsan Jamil, Nadeem Iqbal Kajla, Ramsha Ahmad, Munahil Khursheed</i>	Munahil Khursheed	Oral (Online)



02:35 pm-02:45pm	Genome-wide identification of abiotic stress responsive gene family in wheat crop using machine learning Authors: <i>Raheel Yaqoob</i>	Raheel Yaqoob	Oral (Online)
02:45 pm-02:55pm	ECG Based Heart Disease Classification Using Ensemble Learning Authors: <i>Muhammad Arshad, Abdul Haseeb Wajid, Ali Nawaz, Kainat Zafar</i>	Muhammad Arshad	Oral (Physical)
02:55 pm-03:05pm	Investigating the Role of Cotton Trichome in Pest Management Using Computer Vision Authors: <i>Memona Manzoor, Ayesha Hakim</i>	Memona Manzoor	Oral (Physical)
03:05 pm-03:15pm	Analysis of State-of-the-Art Object Detection Algorithms for Multi-Pest Detection with Emphasis on Small Object Detection Authors: <i>Ali Hamza, Ayesha Hakim*, Nimra Khan</i>	Ali Hamza	Oral (Physical)
03:15 pm-03:25pm	A Deep Learning Framework for Wasp Detection on Bee-Hive Entrance Authors: <i>Aroosa Sardar, Dr. Nadeem Iqbal</i>	Aroosa Sardar	Oral (Online)
03:25 pm-03:35pm	Chest X-Ray Images For Lung Segmentation By Using AI Based Network Modulation Authors: <i>Munazza Elahi, Humayun Salahuddin, Wajahat Anwaar Bukhari, Ismail Kashif, Ammar Sikander</i>	Munazza Elahi	Oral (Physical)
03:35 pm-03:45pm	Identification & Classification of Flowers using Artificial Intelligence(ICFA) Author: <i>Kiran Qaswer</i>	Kiran Qaswer	Oral (Online)
03:45 pm-03:55pm	An Automated Target Recognition Technology for Fruit Harvesting by Using Generative Modeling Authors: <i>Kanwal Saleem, Ayesha Hakim*</i>	Kanwal Saleem	Oral (Physical)
03:55pm-04:05pm	Automated Music Selection for Videos using Generative AI Authors: <i>Haider Ali, Israr Hussain*</i>	Haider Ali	Oral (Physical)
04:05pm-04:15pm	Generative Artificial Intelligence and its Military Applications by US and China – Lessons for South Asia Authors: <i>Hananah Zarrar, Sher Ali Kakar</i>	Hananah Zarrar	Oral (Online)



04:15pm-04:25pm	Voice-activated home automation system by applying internet of things and natural language processing (NLP) Authors: <i>Yumna Niaz, Humayun Salahuddin, Ammar Sikander, Wajahat Anwaar Bukhari, Ismail Kashif</i>	Yumna Niaz	Oral (Physical)
04:25pm-04:35pm	High-Throughput Phenomics to Characterize Cotton Leaf Curl Virus using Remote Sensing Authors: <i>Aemon Majeed, Dr. Salman Qadri</i>	Aemon Majeed	Oral (Physical)
04:35pm-04:45pm	Crop yield prediction using regression model Author: Dr. Amir Hussain	Dr. Amir Hussain	Oral (Online)
04:45pm-04:55pm	Remote Sensing-Based Sugarcane Yield Prediction Model using Artificial Intelligence Authors: <i>Mahreen Iftikhar, Salman Qadri, Muhammad Nadeem</i>	Mahreen Iftikhar	Oral (Physical)
04:55 pm-05:05pm	Genome-wide analyses for the identification of drought and heat related genes in sorghum varieties. Authors: <i>Muhammad Faisal, M. Tariq Mahmood, Abdul Razzaq, Salman Qadri, and M. Hammad Nadeem Tahir</i>	Dr. Muhammad Faisal	Oral (Physical)
05:05 pm-05:15pm	Monkeypox Detection using CNN-Based Pretrained Models Authors: <i>Gull-e- Warda, Wajahat Anwaar, Ammar Sikander, Ismail Kashif, Humayun Salahuddin</i>	Gull-e- Warda	Oral (Physical)
05:15pm-05:25pm	Concluding Remarks by the Chair		

TECHNICAL SESSION - IV

November 29, 2023 02:00pm-04:45pm

Lab 02

Day 1

Video call link: https://meet.google.com/rcp-czeb-eoy			
IoT for Smart Farming, Health & Education			
Moderator	Ms. Javeria Jabeen/ Mr. Ahsan/ Mr. Muneeb		
Session Chair	Prof. Dr. Dost Muhammad Khan		
Session Co- Chair	Dr. Sarfraz Hashim		
Time	Title	Presenter	Mode of Presentation
02:00 pm-02:05pm	Session Chair Remarks	Prof. Dr. Dost Muhammad Khan	
02:05 pm-02:15pm	Block-Chain Enhanced IoT Integration for Transparency and Efficiency in Smart Agriculture and Food Supply Chain Systems Authors: <i>Muhammad Nasir Siddiqui, Javaid Ahmad Malik</i>	Javaid Ahmad Malik	Oral (Physical)



02:15 pm-02:25pm	Enhancing Agricultural Resource Management using IoT and machine learning. Authors: <i>Arooj sultan, Hummayon Salahuddin, Hafsa Shaukat</i>	Arooj sultan	Oral (Physical)
02:25 pm-02:35pm	Intrusion Detection in Smart Farming Using the Internet of Things Entangling Hybrid Deep Learning Architecture Authors: <i>Muhammad Ashad Baloch, Javaid Ahmad malik, Muhammad Akhter</i>	Muhammad Ashad Baloch	Oral (Physical)
02:35 pm-02:45pm	IoT Security Fortified Review: Machine Learning at the Helm of Threat Detection Authors: <i>Muhammad Sheraz Qasim, Younis Yamin, Wajahat Anwaar Bukhaari</i>	Younis Yamin	Oral (Online)
02:45 pm-02:55pm	Internet Of Things Based Smart Farming Data Analytics for Complex Challenging Environments Authors: <i>Irum Waheed, Humayun Salahuddin, Ismail Kashif, Wajahat Anwaar Bukhari, Ammar Sikandar</i>	Irum Waheed	Oral (Physical)
02:55 pm-03:05pm	AI and Sensing -Enhanced Cable Rail Irrigation for Drought and frost Prone Regions in the Face of Climate Change Authors: <i>Attique Rehman</i>	Attique Rehman	Oral (Physical)
03:05 pm-03:15pm	SMARTRAPS: An AI and IoT based Device for Insect Pest Surveillance Authors: <i>Ayesha Hakim, Ali Hamza, Muhammad Owais, Nimra Khan</i>	Ayesha Hakim	Oral (Physical)
03:15 pm-03:25pm	Efficient eco-friendly environment using internet of energy-based farm energy management systems. Authors: <i>Saif Ullah, Dr. Nadeem Iqbal</i>	Saif Ullah	Oral (Online)
03:25 pm-03:35pm	Developing IoT-enabled weather forecasting system for maize crop Author: <i>Areej Fatima</i>	Areej Fatima	Oral (Online)
03:35 pm-03:45pm	Machine Learning-based Quantification of Soybean Growth: A Novel Approach for Crop Monitoring and Yield Prediction Author: <i>Samia Mishal, Hira Nazir, Muuhammad Samiullah</i>	Samia Mishal	Oral (Physical)



03:45 pm-03:55pm	IoT-based Healthcare Monitoring System Authors: <i>Rafiq Ahmad, Dr. Humayun Salahuddin, Wajahat Anwaar, Amaar Sikander, Ismail Kashif</i>	Rafiq Ahmad	Oral (Physical)
03:55pm-04:05pm	An Intelligent Sensor Network for Sustainable Water Monitoring and Management Author: <i>Muhammad Akbar</i>	Muhammad Akbar	Oral (Online)
04:05pm-04:15pm	Investigating the Impact of the Internet of Things in Higher Education Environment Authors: <i>kianat kianat, Wajahat Anwaar Bukhari, Ammar Sikander, M. Ismail Kashif, Humayun Salahuddin</i>	kianat kianat	Oral (Physical)
04:15pm-04:25pm	Multispectral based reflective analysis for identification of pink bollworm in cotton crop Authors: <i>Mehnaz Mustafa, Nadeem Iqbal</i>	Mehnaz Mustafa	Oral (Physical)
04:25pm-04:35pm	IoT based Soil monitoring System using Artificial Intelligence Authors: <i>Wajahat Anwaar Bukhari, Ammar Sikander, M. Ismail Kashif, Humayun Salahuddin</i>	Humayun Salahuddin	Oral (Physical)
04:35pm-04:45pm	Concluding Remarks by the Chair		

TECHNICAL SESSION - V

November 29 2023 02:00pm-04:55pm

Lab 04

Day 1

Video call link: <https://meet.google.com/xgg-mcmg-pec>

Security and Innovation in Cloud Computing and Blockchain Technology

Moderator	Dr. Aamir Hussain/ Mr. Aziz-ur-Rehman		
Session Chair	Dr. Sajid Ali		
Session Co- Chair	Dr. Rao Kashif		
Time	Title	Presenter	Mode of Presentation
02:00 pm-02:05pm	Session Chair Remarks	Dr. Sajid Ali	Physical
02:05 pm-02:15pm	Comprehensive Guideline for Selecting Content Management System for Website Development Authors: <i>Muhammad Mehmood Khalil, Hafiz Muhammad Ghazi, Najia Saher</i>	Muhammad Mehmood Khalil	Oral (Online)
02:15 pm-02:25pm	Comparative Analysis of Blackhole and Wormhole Attack in MANET using AODV Routing Protocol Authors: <i>Muhammad Nasir Siddiqui</i>	Muhammad Nasir Siddiqui	Oral (Physical)



02:25 pm-02:35pm	Security and Privacy Challenges Presented by the Construction of Network Functions in the Cloud Authors: <i>Umair Saleem, Ismail Kashif, Talha Amir, Khadija tuz Zahra, Muhammad Arshman Ali, Syed Ali Hassan</i>	Umair Saleem	Oral (Physical)
02:35 pm-02:45pm	A Survey on the Subject of Data Security and Privacy Protection for Cloud Storage Authors: <i>Talha Amir, Ismail Kashif, Muhammad Arshman Ali, Khadija tuz Zahra, Afraz Danish, Umair Saleem</i>	Talha Amir	Oral (Physical)
02:45 pm-02:55pm	Malware Image Classification: A Deep Learning Perspective on Security Analysis Authors: <i>Muhammad Arshman Ali, Muhammad Ismail Kashif, Talha Amir, Khadija Tuz Zahra, Umair Saleem, Syed Ali Hassan, Ammar Sikander</i>	Muhammad Arshman Ali	Oral (Physical)
02:55 pm-03:05pm	Improving Network Intrusion Detection Using Centralized Multi-Model Machine Learning Authors: <i>Muhammad Uzair Baqir, Ammar Sikander, Muhammad Mohsin Akbar, Babar Ali</i>	Muhammad Uzair Baqir	Oral (Physical)
03:05 pm-03:15pm	Local Area Network-Based Cybersecurity Threats for Capturing HTTP Packets to Obtain Login Credentials Using Wireshark Authors: <i>Altaf Hussain, Amir Hussain</i>	Altaf Hussain	Oral (Physical)
03:15 pm-03:25pm	Security Mechanism in Smart Farming: A Perspective of Agro-Security Authors: <i>Muhammad Sami Ullah, Hira Nazir</i>	Muhammad Sami Ullah	Oral (Physical)
03:25 pm-03:35pm	Vital Role of Security Operation Centers (SOCs) in Safeguarding Organizations against Cyber Threats Authors: <i>Muhammad Ahsan Jamil, Hafiz Muhammad Sanaullah Badar, Manal Ahmad, Muhammad Waleed Amjad</i>	Muhammad Waleed Amjad	Oral (Online)
03:35 pm-03:45pm	Crop Production, Traceability, and Price Forecasting System using Blockchain and Artificial Intelligence Author: <i>Ayesha Hakim</i>	Ayesha Hakim	Oral (Physical)
03:45 pm-03:55pm	A lightweight and scalable architecture for Internet of Things (IoT) utilizing distributed ledger-based blockchain Direct Acyclic Graph (DAG) technology. Author: <i>Syed Irfan Raza Naqvi, Zheng Jiang Bin, Ahmad Mohsin, Mueez Rehman, Tashen Tariq</i>	Syed Irfan Raza Naqvi	Oral (Physical)
03:55pm-04:05pm	Collaborative Blockchain-based Crypto-Efficient Scheme for Protecting Visual Contents Author: <i>Rizwan Ali Shah, Syed Ali Nawaz, Qaisar Shaheen, Ali Asghar</i>	Rizwan Ali Shah	Oral (Online)



04:05pm-04:15pm	Revolutionizing Food Traceability: Blockchain-Powered Decentralized App for Food Supply Chain. Author: Sundus Shafique, Ayesha Hakim	Sundus Shafique	Oral (Physical)
04:15pm-04:25pm	Improving Food Supply Chain Data Management through Proxy Contracts on Block chain Author: Nimra Khan, Dr. Ayesha Hakim	Nimra Khan	Oral (Online)
04:25pm-04:35pm	Blockchain-powered Accountability in Pharmaceutical Supply Chains Author: M. Azam Zia, Mariam Gilani, Muhammad Asif, Irfan Anwar, Faisal Mehmood	Mariam Gilani	Oral (Online)
04:35pm-04:45pm	Secure Ledger: Ethereum and Smart Contracts Enabling Trust in Food Supply Chain Traceability Author: Sundus Shafique, Ayesha Hakim	Sundus Shafique	Oral (Physical)
04:45pm-04:55pm	Concluding Remarks by the Chair		

POSTER DEMONSTRATION

November 29 2023 02:00pm-5:00pm

Academic Block Hall

Day 1

Moderator	Mr. Nasir Siddiqui/ M. Awais / Haider Ali		
Time	Title	Presenter	Mode of Presentation
02:00pm-05:00pm	Cotton Yield Prediction using Temporal Data Analysis Authors: Saif Mehdi, Javeria Jabeen, Israr Hussain, Umar Ijaz Ahmed, Shahid Iqbal	Saif Mehdi	Poster (Physical)
02:00pm-05:00pm	Heart disease detection using data mining tools and machine learning techniques. Authors: Wajahat Anwaar bukhari, Humayun Salahuddin, M. Ismail Kashif, Ammar Sikander	Anoosha Nazir	Poster (Physical)
02:00pm-05:00pm	Artificial Intelligence based System for Validating Ripening Stages of Storage Tomatoes Using Sensory Dataset Authors: Mubeen Rauf, Ms Javeria Jabeen	Mubeen Rauf	Poster (Physical)
02:00pm-05:00pm	Yellow wheat rust detection using deep learning. Authors: Rimsha khadim, Aamir Hussain, Raja shahzaib Ahmad, Areej Rani	Rimsha khadim	Poster (Physical)
02:00pm-05:00pm	Osteoporosis diagnosis in knee X-rays by transfer learning based on convolution neural network using deep learning Data analysis , machine learning Authors:	Safia Fiaz	Poster (Physical)



	<i>Safia Fiaz, Wajahat Anwar Bukhari, Ammar Sikandar, M.Ismail Kashif, Hamayun Salahuddin</i>		
02:00pm-05:00pm	Air Quality and Carbon Monoxide Monitoring Using IoT-based System. Authors: <i>Muhammad Kamran, Humayun Salahuddin, Hassaan Malik, M.Ismail Kashif, Wajahat Anwaar Bukhari, Abdul Majid Soomro</i>	Muhammad Kamran	Poster (Physical)
02:00pm-05:00pm	Addressing and Mitigating Cyber Security Risks in Food Production Author: <i>Altaf Hussain, Dr. Aamir Hussain, Arooj Sarfraz, Rimsha Khadim, Areej Rani, Raja Shahzaib Ahmad</i>	Altaf Hussain	Poster (Physical)
02:00pm-05:00pm	A distributed system that uses Internet of Things technologies to provide smart irrigation. Authors: <i>Sajid Javaid, Humayun Salahuddin, Abdul Majid Soomro, M. Ismail Kashif, Wajahat Anwaar Bukhari</i>	Sajid Javaid	Poster (Physical)
02:00pm-05:00pm	MRI Brain Tumor Diagnosis Using Machine Learning and Fused Optimization Scheme Authors: <i>Syed Ali Nawaz, Tanveer Aslam, Rizwan Ali Shah, Abdul Haseeb Wajid, Sadia Ejaz</i>	Syed Ali Nawaz	Poster (Online)
02:00pm-05:00pm	Identifying Post-Partum Depression in Women by using machine learning Techqniues Authors: <i>Rabia Tariq</i>	Rabia Tariq	Poster (Physical)
02:00pm-05:00pm	Automated Monitoring of Wheat Plant Growth at Different Temperatures through Process Mining Authors: <i>Kinza Nazir, Ayesha Hakim</i>	Kinza Nazir	Poster (Physical)
02:00pm-05:00pm	A Decentralized Video Hosting Plateform using Blockchain Technology Authors: <i>Saima Batool</i>	Saima Batool	Poster (Physical)



CLOSING CEREMONY

November 30, 2023 (10:00 am – 2:00 pm)

Main Conference Hall

Day 2

Zoom: <https://us06web.zoom.us/j/82163560920?pwd=0C0b2XUPyuBzhrBJ2QmCwgDlwhS1yg.GHD58rsTn6mekjG5>

10:00 am – 10:05 am	Recitation of Holy Quran
10:05 am – 10:10 am	Naat Rasool (S.A.W.)
10:10 am – 10:30 am	Conference Concluding Session
10:30 am – 11:30 am	Winner Announcement /Souvenir & Prize Distribution
11:30 am – 12:00 pm	Closing Remarks by Chief Guest
12:00 pm – 02:00 pm	Lunch and Prayer