**Conference Program IEEE ICET 2024** 

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Auditorium Pay-1   19/11/2924   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/20-0-10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/2025   10/202	Į.		
10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:00 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30 - 10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:30   10:3	L	09:40 - 09:55	
19/11/2024   10:30 - 11:30   Prof. Dr. Huseyin Arisan, Istahoul Medipol University, Tuskey	L		· · · · · · · · · · · · · · · · · · ·
10:30 - 11:30   Reprofe Talk of 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin   Perior December 14 (as 2: Explanable Al and Digital Puin Puin   Perior December 14 (as 2		10:00 - 10:30	
10:30 - 11:00   Prof. Or. Aship Anjorn, University of Leiceuer, UK			
Moderator: Dr. Naveved Butt, (DRS Panel Discussion)  Moderator: Dr. Naveved Butt, (DRS Panel Discussion)  Moderator: Dr. Naveved Butt, (DRS Panel Discussion)  11:00-11:20 Panelists: Dr. Nauir Elia (BRC, Islamabud), Mrs. Mehreen Nazish (PTCL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Sharifah Sakinah (PtPL), Eng. Shaff Ulah Kamran (Zong), Dr. Sajid Shah (DuST), Dr. Ahlf Khan (PTPL), Sharifah Sakinah (PTPL	19/11/2024	10:30 - 11:00	
110.0 1.140   Panelists: Dr. Nastr Ella (RD. Islamabad), Mrs. Nehrenen Nazrish (PCL), Engs. Shafi Lilah Kanzan (Zong), Dr. Saljid Shah (DoST), Dr. Aler Khan (CPTIB), Dr. Tandu Turer (ANL), Dr. Sharifah Saknah (Malaysia)   11:55-12:00   Presentation of Sounders			
(KPPIR), Dr. Tahnd Umer (AKU), Dr. Tanwer Ahmad (UN), Dr. Sharfah Sakinah (Malaysia)   11:40-11:55   Address by Chief Guest   11:40-11:55   Address by Chief Guest   11:50-12:00   Presentation of Sourviers			· · · · · · · · · · · · · · · · · · ·
11.40-11.55		11:00 - 11:40	
New Academic Block	L		
New Academic Block	L		·
New Academic Block   12:20 - 13:40   Session Moderators; Dr. Javed Iqbal, MCS NUST and Dr. Ghama abas, GKI		11:55-12:00	Presentation of Sounviers
			(12:00 -12:20) Networking Hi-Tea (Outside Auditorium)
		12:20 - 13:40	Parallel Sessions 1, 2, 3, 4 and 5
MLH1 - New   Session Moderators: Dr. Javed Lepols, MCS HUST and Dr. Grubban Abbas, GIK	Block		
M.H.I. New   12:20 - 12:40	_		
Academic Block		10.00 10.10	
13:00 - 13:20	-		
13:20 - 13:40   Invited Presentation, DreamBig Semi Conductors	Academic Block		
Session   2     Session   2	-		
Session Chair: Dr. Intesham UI Islam, NUST		13:20 - 13:40	
MILH2 - New   12:20 - 12:35   52 - Specification of Virtual Reminder System using Z   12:50 - 12:05   56 - Specification of Virtual Reminder System using Z   12:50 - 12:05   60 - Asymmetric Channel Reuse Model for Wi-Fi 6   13:05 - 13:03   Invited Presentation, "National Cybersecurity Policy Compliance: The Role of Academia", Prof. Dr. Haider Abbas, DG CERT   13:05 - 13:04   Certificate Distribution   Session 3   Session Co-Chair: Dr. Fazli Subhan, NUML Islamabad   Session Co-Chair: Dr. Fazli Subhan, NUML Islamabad   Session Co-Chair: Dr. Fazli Subhan, NUML Islamabad   12:20 - 12:35   21 - Extractive Summarization of Urdu Language using Deep Learning Techniques on a Custom Dataset   12:35 - 12:50   120 - Corpus of Human-Labeled Indirect Harassment   12:50 - 13:05   13:00 - Optimizing Direct Identification Using Adaboost and Vehicular Telemetric Data Analysis   13:30 - 13:30   Invited Presentation, "Integrating Digital Twins with All and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST   Session Ca-Chair: Dr. Asfandyar, IBMS   Ses			
MLH2 - New   12:30 - 12:35   \$2 - Specification of Virtual Reminder System using Z   \$6 - Blockchain-Enabled Peer to-Peer Energy Trading (BE-PET) with Distributed Authority   12:30 - 12:30   \$6 - Blockchain-Enabled Peer to-Peer Energy Trading (BE-PET) with Distributed Authority   12:30 - 13:30   Invited Presentation, "National Cybersecurity Policy Compliance: The Role of Academia", Prof. Dr. Haider Abbas, DG CERT   13:30 - 13:40   Invited Presentation, "National Cybersecurity Policy Compliance: The Role of Academia", Prof. Dr. Haider Abbas, DG CERT   13:30 - 13:40   Session Co-Chair: Dr. Zalwar Ali, GKI   Session Co-Chair: Dr. Zalwar Ali, GKI   12:20 - 12:35   21 - Extractive Summarization of Urdu Language using Deep Learning Techniques on a Custom Dataset   12:35 - 12:50   120 - Corpus of Human-Labeled Indirect Harassment   12:35 - 13:30   Invited Presentation, "Integrating Digital Twins with Al and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST   13:30 - 13:30   Invited Presentation, "Integrating Digital Twins with Al and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST   Session Co-Chair: Dr. Sarah Iqbal, GIKI   Session Co-Chair: Dr. Sarah Iqbal, GIKI   12:20 - 12:35   124 - Robust Exercise-based Telerehabilitation for Elderly Healthcare Survives   12:30 - 13:30   Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University   13:30 - 13:40   Certificate Distribution   Session Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   12:20 - 12:35   13:30   Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   12:20 - 12:35   13:30   Certificate Distribution   Session Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   12:20 - 12:35   13:30   Certificate Distribution   Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   12:20 - 12:35   13:30   Certificate Distribution   Session Co-Chair: Dr. Fahad Bin Muslim, GIKI   13:30 - 13:30   Certificate Distribution   Certificate Distribution   Certific	_		
Academic Block    12:35 - 12:50   56 - Blockchain-Enabled Peer-to-Peer Energy Trading (BE-PET) with Distributed Authority     12:50 - 13:30   13:30   13:40   Certificate Distribution	_		
12:50 - 13:05   60 - Asymmetric Channel Reuse Model for Wi-Fi 6   13:05 - 13:30   Invited Presentation, "National Cybersecurity Policy Compliance: The Role of Academia", Prof. Dr. Haider Abbas, DG CERT	-		· · ·
13:05-13:30   Invited Presentation, "National Cybersecurity Policy Compliance: The Role of Academia", Prof. Dr. Haider Abbas, DG CERT   13:30 - 13:40   Certificate Distribution	Academic Block		
13:30 - 13:40   Certificate Distribution   Session 3	_		
MLH3 - New Academic Block  I 12:20 - 12:35   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:05   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   12:00   1	_		
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MLH3 - New Academic Block  12:20 - 12:35   21 - Extractive Summarization of Urdu Language using Deep Learning Techniques on a Custom Dataset  12:50 - 13:05   120 - Corpus of Human-Labeled Indirect Harassment  12:50 - 13:05   130 - Optimizing Driver Identification Using Adaboost and Vehicultar Telemetric Data Analysis  13:05 - 13:30   Invited Presentation, "Integrating Digital Twins with AI and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST  13:30 - 13:40   Certificate Distribution  Session 4  Session Chair: Dr. Asfandyar, IBMS  Session Co-Chair: Dr. Sarah Iqbal, GIKI  LH4 - New  Academic Block  12:20 - 12:35   124 - Robust Exercise- based Telerehabilitation for Elderly Healthcare Survives  Academic Block  12:50 - 13:05   103 - Analouge and Digital Modulation Classification Using Deep Neural Networks  13:05 - 13:30   Invited Presentation, "AI Unleashed" Dr. Maryam Mahsal Khan, Cecos University  13:30 - 13:40   Certificate Distribution  Session Chair: Dr. Javed Iqbal, IBMS  Session Chair: Dr. Fahad Bin Muslim, GIKI  14:30 - 12:50   13:05   239 - Localized Mobile Health application: Fully Automated AI diagnostic system - Dilingual support for sustainable Pakistan  13:05 - 13:30   Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  13:05 - 13:30   Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  13:05 - 13:30   Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  13:05 - 13:05   Idag			· · · · · · · · · · · · · · · · · · ·
Academic Block  12:35 - 12:50			· · · · · · · · · · · · · · · · · · ·
12:50 -13:05 13:0 - Optimizing Driver Identification Using Adaboost and Vehicular Telemetric Data Analysis 13:05 - 13:30 Invited Presentation, "Integrating Digital Twins with Al and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST 13:30 - 13:40 Certificate Distribution  Session 4  Session Chair: Dr. Asfandyar, IBMS Session Co-Chair: Dr. Sarah Iqbal, GIKI  LH4 - New Academic Block 12:20 - 12:35 124 - Robust Exercise-based Telerehabilitation for Elderly Healthcare Survives 12:35 - 12:50 13:10 14: Unweiling Hidden Threats in Word Documents: A Hybrid Approach to Malware Classification 12:50 - 13:05 13:0 Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University 13:30 - 13:40 Certificate Distribution  Session 5  Session Co-Chair: Dr. Javed Iqbal, IBMS Session Co-Chair: Dr. Fahad Bin Muslim, GIKI  LH5 - New Academic Block 12:20 - 12:35 183 - Hate Speech Detection of Roman Urdu Using Transformer Model 12:50 - 13:05 293 - Localized Mobile Health application: Fully Automated Al diagnostic system – bilingual support for sustainable Pakistan 13:05 - 13:30 Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah 13:30 - 13:40 Certificate Distribution  New Academic  Lunch and Prayers Break (13:40-14:30 Café/Main Lobby)  Parallel Sessions 6, 7, 8, 9	-		
13:05 - 13:30   Invited Presentation, "Integrating Digital Twins with AI and IoT: Unlocking New Possibilities to Local Challenges of Pakistan", Prof. Dr. Tariq FAST	Academic Block		'
13:30 -13:40 Certificate Distribution  Session 4  Session Chair: Dr. Asfandyar, IBMS Session Co-Chair: Dr. Sarah Iqbal, GIKI  12:20 -12:35 12:50 141-Unveiling Hidden Threats in Word Documents: A Hybrid Approach to Malware Classification 12:50 -13:05 103 - Analouge and Digital Modulation Classification Using Deep Neural Networks 13:05 -13:30 Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University 13:30 -13:40 Certificate Distribution  Session 5  Session Chair: Dr. Javed Iqbal, IBMS Session Co-Chair: Dr. Fahad Bin Muslim, GIKI  12:50 -12:35 183 - Hate Speech Detection of Roman Urdu Using Transformer Model 12:35 -12:50 202 - Comparative Analysis of Machine Learning Techniques on EuroSAT RGB for Land Use Land Cover Classification 12:50 -13:05 239 - Localized Mobile Health application: Fully Automated Al diagnostic system - bilingual support for sustainable Pakistan 13:30 -13:40 Certificate Distribution  New Academic 14:30 - 16:00 Parallel Sessions 6, 7, 8, 9	ļ.		
LH4 - New Academic Block  LH5 - New Academic	I-		
Session Chair: Dr. Asfandyar, IBMS   Session Co-Chair: Dr. Sarah Iqbal, GIKI		13:30 -13:40	
LH4 - New Academic Block  LH4 - New Academic Block  12:20 - 12:35	Ļ		
LH4 - New Academic Block  12:20 - 12:35	ļ.		
Academic Block  12:35 - 12:50  141-Unveiling Hidden Threats in Word Documents: A Hybrid Approach to Malware Classification  12:50 - 13:05  13:05 - 13:30  Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University  13:30 - 13:40  Certificate Distribution  Session 5  Session Chair: Dr. Javed Iqbal, IBMS  Session Co-Chair: Dr. Fahad Bin Muslim, GIKI  LH5 - New Academic Block  Academic Block  12:35 - 12:50  202 - Comparative Analysis of Machine Learning Techniques on EuroSAT RGB for Land Use Land Cover Classification  12:50 - 13:05  13:05 - 13:30  Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  13:05 - 13:30  Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  13:30 - 13:40  Certificate Distribution  Parallel Sessions 6, 7, 8, 9			
12:50 -13:05 103 - Analouge and Digital Modulation Classification Using Deep Neural Networks  13:05 -13:30 Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University  13:30 -13:40 Certificate Distribution  Session 5  Session Chair: Dr. Javed Iqbal, IBMS  Session Co-Chair: Dr. Fahad Bin Muslim, GIKI  12:20 - 12:35 183 - Hate Speech Detection of Roman Urdu Using Transformer Model  12:35 - 12:50 202 - Comparative Analysis of Machine Learning Techniques on EuroSAT RGB for Land Use Land Cover Classification 12:50 - 13:05 239 - Localized Mobile Health application: Fully Automated Al diagnostic system – bilingual support for sustainable Pakistan 13:05-13:30 Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah 13:30 - 13:40 Certificate Distribution  Lunch and Prayers Break (13:40-14:30 Café/Main Lobby)  New Academic  14:30 - 16:00 Parallel Sessions 6, 7, 8, 9	-		
13:05 - 13:30 Invited Presentation, "Al Unleashed" Dr. Maryam Mahsal Khan, Cecos University  13:30 - 13:40 Certificate Distribution  Session 5  Session Chair: Dr. Javed Iqbal, IBMS Session Co-Chair: Dr. Fahad Bin Muslim, GIKI  LH5 - New Academic Block  Academic Block  Academic Block  12:20 - 12:35 183 - Hate Speech Detection of Roman Urdu Using Transformer Model 12:35 - 12:50 202 - Comparative Analysis of Machine Learning Techniques on EuroSAT RGB for Land Use Land Cover Classification 12:50 - 13:05 239 - Localized Mobile Health application: Fully Automated Al diagnostic system – bilingual support for sustainable Pakistan 13:05-13:30 Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah 13:30 - 13:40 Certificate Distribution  Lunch and Prayers Break (13:40-14:30 Café/Main Lobby)  New Academic  14:30 - 16:00 Parallel Sessions 6, 7, 8, 9	Academic Block		
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Sesssion Co-Chair: Dr. Fahad Bin Muslim, GIKI  12:20 - 12:35	Ļ		
LH5 - New Academic Block  12:20 - 12:35	-		
Academic Block  12:35 - 12:50  202 - Comparative Analysis of Machine Learning Techniques on EuroSAT RGB for Land Use Land Cover Classification  12:50 - 13:05  239 - Localized Mobile Health application: Fully Automated AI diagnostic system – bilingual support for sustainable Pakistan  13:05-13:30  Invited Presentation, "The IoT and Digital Twin" by Prof. Dr. Pardeep Kumar, QUEST, Nawabshah  Certificate Distribution  Lunch and Prayers Break (13:40-14:30 Café/Main Lobby)  New Academic  14:30 - 16:00  Parallel Sessions 6, 7, 8, 9			
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		Session 6	
		Session Chair: Dr. Ghulam Mustafa, PIEAS	
ľ		Sesssion Co-Chair: Dr. Durre Zehra, GIKI	
	14:30 - 14:50	Invited Presentation, "The Role of Data Science and AI in the Energy Industry", Dr. Sharifah Sakinah, UTEM Malaysia	
MLH1 - New	14:50 - 15:05	134 - Segmentation of Agricultural Fields in Aerial Imagery Using Enhanced Deep Learning Models	
Academic Block	15:05 - 15:20	142 - Analyzing Phenological Progression in Wheat Genotypes Through UAV Multispectral Imagery	
	15:20 - 15:35	135 - Wearable Sensors-based Human Locomotion And Indoor Localization with Smartphone	
Γ	15:35 - 15:50	148 - ClapMetrics: Decoding Users' Gender and Age Through Smartwatch Gesture Dynamics	
Γ	15:50-16:00	Certificate Distribution	
		Session 7	
		Session Chair: Dr. Safdar Nawaz Marwat, UET Peshawar	
		Sesssion Co-Chair: Dr. Waleed Tariq Sethi, GIKI	
MI III N	14:30 - 14:50	Invited Presentation, "6G Overview and Research Challenges", Dr. Hesham Syed Kamal Ali, Managing Director ALTER Technology Solutions, UAE	
MLH2 - New Academic Block	14:50 - 15:05	48 - Ultra Miniaturized Novel Antenna for Wireless Capsule Endoscopy System	
Academic block	15:05 - 15:20	101 - Energy-Efficient 6G Networks: A Cognitive Radio Assisted Cluster-Based Downlink Hybrid Multiple Access Approach	
	15:20 - 15:35	171 - Transforming Legal Workflows: A Deep Dive into NLP Solutions for Legal Challenges	
	15:35 - 15:50	258 - Exploring the Diagnostic Potential of Heart Sound Spectrograms in Depression Identification	
•	15:50-16:00	Certificate Distribution	
	Session 8		
		Session Chair: Dr. Waseem Abbas, IBMS	
		Sesssion Co-Chair: Dr. Arbab Abdur Rahim, GIKI	
_	14:30 - 14:50	Invited Presentation, "Augmented Intelligence for Advancing Healthcare" Dr. Muhammad Illyas, Florida Atlantic University, USA	
LH4 - New	14:50 - 15:05	248 - Vegetation Detection Using UAV Imagery with Deep Learning Segmentation Models	
Academic Block	15:05 - 15:20	219 - Next-Gen Cloud-Based Video Processing and Content Management Platform: Leveraging Serverless Architecture, Cloud Storage, and	
<u>_</u>	15.05 - 15.20	CloudFront CDN for Optimized Distribution	
<u>_</u>	15:20 - 15:35	218 - Leveraging Deep Learning for Accurate Fracture Detection and Classification Using X-ray Images	
<u> </u>	15:35 - 15:50	182 - Design and Manufacturing of a Walk Assist Device	
_	15:50 - 16:00	Certificate Distribution	
		Session 9	
		Session Chair: Prof. Dr. Ejaz Khan HSA, Islamabad	
Γ		Sesssion Co-Chair: Dr. Muhammad Hanif, GIKI	
LH5 - New Academic Block	14:30 - 14:50	Invited Presentation: Dr.Usama Khalid Bukhari, UK	
	14:50 - 15:05	203 - Fault Diagnosis in Rotating Machines using Vibration Signal Analysis and Machine Learning	
	15:05 - 15:20	198 - Identification of Bearing Faults through Vibrational Signal Analysis using Automated Relative Energy based Empirical Mode Decomposition	
	15:20 - 15:35	197 - Deep Learning-Based MRI Image Classification for Early-Stage Alzheimer's Disease Diagnosis	
Ī	15:35 - 15:50	196 - A Machine Learning Approach for Diagnosis of Diabetes through Fusion of PPG and ECG Signals	
15:50 - 16:00 Certificate Distribution			
		Refreshments and Poster Papers Exhibition (16:00-16:40 New Academic Block)	

## Conference Banquet/Dinner - 19:00 - 20:00 - Faculty Club GIKI

Day 2: Wednesday, November 20, 2024		
New Academic Block	9:30 - 11:40	Session 10, 11, 12, 13
		Session 10
		Session Chair: Dr. Bilal Aslam, UET Taxila
		Sesssion Co-Chair: Dr. Qamar Abbas, GIKI
	9:30 - 10:15	Invited Talk, Quantum Computing Challenges and Opportunities: A Systems Perspective, Prof. Dr. Ashfaq Khokar, Iowa State University USA
MLH1 - New	10:15 - 10:30	83-Crowd Anomaly Detection via Multiscale Features and Zero-shot Learning in Public Surveillance
Academic Block	10:30 - 10:45	240-GAMS-based Efficient Approach for Coordination of Directional Overcurrent Relays in Distribution System
	10:45 - 11:00	252-Design and Analysis of SIW Iris Bandpass Filters for Ku-Band Applications
	11:00-11:15	127-FOSSSC: A Free, Open-Source Software Stack Cluster for Digital System Design
	11:15-11:30	74 - Quantum-inspired Multi-Agent Computation Offloading in Edge Intelligence-aided IoT Networks
	11:30 - 11:40	Certificate Distribution
		Session 11
		Session Chair: Dr. Musadaq Mansoor, PAF-IAST
		Sesssion Co-Chair: Dr. Faisal Javed, GIKI
	9:30 - 9:45	45 - Holistic Scene Recognition through U-Net Semantic Segmentation and CNN
MLH2 - New	9:45 - 10:00	116-Enhancing Micro/Nanorobot Navigation for Medical Applications Using Reinforcement Learning
Academic Block	10:00 - 10:15	43-Towards a Greener Future: Leveraging Blockchain for Sustainable Demand Response and Supplier Baseline Assessment
	10:15 - 10:30	97-Unmanned Aerial Vehicle Classification via YOLOv9 and Recurrent Neural Network
	10:30 - 10:45	179-Exploring the Cognitive Impact of Optical Illusions on EEG Signals

[	10:45 - 11:15	Invited Talk, "DER and Hybrid Energy System for Net Zero: Challenges and Opportunities", Dr. Asma Aziz, Edith Cowan University, Australia	
	11:20 - 11:30	Certificate Distribution	
		Session 12	
		Session Chair: Dr. Ali Mustafa, COMSATS Islamabad	
		Sesssion Co-Chair: Dr. Ateeq Rehman , GIKI	
	9:30 - 9:45	242- Fast Frequency Response Provision from Inverter-enabled Hybrid Power Plants	
	9:45 - 10:00	237-Enhancing Machine Learning Security - Mitigating Adversarial and Data Poisoning Attacks in Cybersecurity Applications	
mLH3 - New Academic Block	10:00 - 10:15	208-Towards Electronic Voting Using Face Verification Technology	
Academic Block	10:15 - 10:30	207-Revolutionizing Sales: A Comprehensive Approach to AI-Powered Sales Call Assistance	
	10:30 - 10:45	195-Gastrointestinal Disease Diagnosis through Deep Features Extracted from Endoscopic Imaging	
	10:45 - 11:00	180-Wound Detection and Size Estimation From DFU Images	
	11:00-11:30	Invited Talk, "Mathematics for Digital Twins" by Prof. Dr. Mian Ilyas Ahmad NUST Islamabad	
	11:30-11:40	Certificate Distribution	
		Session 13	
		Session Chair: Dr. Waheed, PAF-IAST	
		Sesssion Co-Chair: Dr. Ahmad Kamal, GIKI	
	9:30 - 9:45	174-Recognition of Leukocytes using a Combination of Deep Features and Ensemble Classifier	
LH4 - New	9:45 - 10:00	172-Comparitive analysis of CT Image reconstruction using Deep Learning Layer structures	
Academic Block	10:00 - 10:15	170-Integrating UAV Multispectral Imagery and IoT Data to Diagnose Water Stress in Rainfed Wheat	
Academic Block	10:15 - 10:30	167-Enhancing Amazon Product Review Analysis by Using Bidirectional LSTM Neural Networks for Deep Multi-Domain Sentiment	
	10:30 - 10:45	160-A Novel Human Interaction Recognition via Composite Features and Max Entropy Classifier	
	10:45 - 11:00	159-Overcoming Linguistic Barriers Developing Advanced Urdu Text-to-Speech Systems	
_	11:00 - 11:30	Invited Talk, "Emerging Topics in Quantum Computing and Quantum Communication", by Prof. Dr. Umar Usman FAST Peshawar	
	11:30-11:40	Certificate Distribution	
	Session 14		
LH5 - New Academic Block		Session Chair: Dr. Waheed, PAF-IAST	
		Sesssion Co-Chair: Dr. Ahmad Kamal, GIKI	
	9:30 - 9:45	104-Drone-Based Video Surveillance using Yolov6 and Neuro Fuzzy Classifier	
	9:45 - 10:00	250-Impact of Load Variations on the Stability of GA-Optimized PID Controllers in Isolated Power Systems	
	10:00 - 10:15	59 - Assessing Respiratory Changes Induced by STN-DBS in Rat Models	
	11:30-11:40	Certificate Distribution	

## Networking Hi-Tea (11:15 - 11:30 New Academic Block)

New Academic Block	10:00 - 13:30	Workshops & 3MT Session	
		Workshop 1: State of the Art IC Design Verification Trends	
DA Lab NAB Day-2 20/11/2024	10:00 - 12:00	Dr. Haroon Waris (NECOP)	
	Workshop 2: Monitoring Kubernetes with eBPF: Enhancing Observability and Performance		
SE Lab NAB Day-2 20/11/2024	11:30 - 13:00	Prof. Dr. Muhammad Arshad Islam, (FAST Islamabad) and Mr. Yousuf Jawwad (Founder-Software Architect, Breu)	
	Three Minute Thesis (3MT)		
mLH2 - New Academic Block	12:00 - 13:30	Moderator: Mrs. Sana & Ms. Fatima Khalid (PhD Students)	

Conference Lunch and Prayer Break (13:00 - 14:00 Guest House)		
		Session 15
		Session Chair: Dr. Maqsood, FAST Peshawar
		Sesssion Co-Chair: Dr. Ali Imran, GIKI
MLH2 - New	14:00-14:15	157-Dermoscopic Image Analysis for Skin Cancer Detection Using Deep Features and Support Vector Machines
Academic Block	14:15-14:30	117-Real-time Gas and Air Quality Monitoring and Controlling by IoT Solution
	14:30-14:45	176-Forecasting Building Energy Consumption using Statistical Models Incorporating Operational and Environmental Factors
	14:45-15:15	Invited Talk, Prof. Dr. Haseeb Zafar, UK
	15:15-15:20	Certificate Distribution
		Conference Closing Cermony
	15:30 - 15:40	Guests to be seated
	15:40 - 15:45	Tilawat-e-Quran
	15:45 - 16:10	Keynote Talk:
	15.45 - 16.10	Prof. Dr. Yasar Ayaz, NUST
Auditorium	16:15 - 16:25	Conference Summary by Prof. Dr. Qadeer ul Hasan, Dean FCSE
Day-2 20/11/2024	16:25-16:35	Closing Remaks by Conference Patron, Prof. Dr. Fazal Ahmad Khalid, Rector GIKI
	16:35-16:50	Closing Remaks by Chief Guest

16:50-17:00 Presentation of Sheilds
Hi-Tea ( Café Lawn or Outside Auditorium)

Departure of Buses