5th IEEE International Conference on Digital Futures and Transformative Technologies (ICoDT2)

Schedule 17th December, 2025
Technical Session I: (Classroom-2) 1st Floor Session

Chair: Dr. Ammar Mushtaq

Paper ID	Title	Presenter	Time Duration
6	Efficient YOLOv11-Based Approach with Dual-Path Feature Learning for Automated Detection of Limb Fractures	Haseeb Iqbal (UET Lahore)	12:45 - 12:55
54	Real-time Facial Recognition Systems A Survey of Techniques, Applications and Challenges	Mohsin Khalil (NUST)	12:55 - 1:05
97	Attention Models Based Plant Classification for Smart Agriculture	Sohail Ahmed (FAST NUCES Karachi)	1:05 - 1:15
145	Low-Latency Architectures for Real-Time Multi-Stream Object Detection	Muhammad Saad Umer *et. al* (SEECS)	1:15 - 1:25

Lunch Break (1:30-2:20)

5th International Conference on Digital Futures and Transformative Technologies (ICoDT2)

Schedule 17th December, 2025
Technical Session II: (Classroom-2) 1st Floor

Session Chair: Dr. Mian Ilyas

Paper ID	Title	Presenter	Time Duration
115	Identification of Defects in the Production of Powered Window Regulators Using Deep Learning on Vibration Data Regulators Using Deep Learning on Vibration Data	Asad Riaz (University of Genova)	03:30-03:45
33	Computationally Efficient Explainable Vision Transformer Framework with Test-Time Augmentation and Mask-Guided Overlay for Breast Lesion Classification in Ultrasound Images	Muhammad Omar Cheema *et. al* (Air University)	03:45-04:00
68	LGAF-Net A LocalGlobal Attention Fusion Network for Efficient Medical Image Classification	Saqlain Abbas (Chongqing University)	04:00-04:15
171	MedFusion-XAI: An Attention Refinement and Gated Fusion Explainable Swin Transformer for Medical Image Classification	Muhammad Younas Khan *et. al* (Chongqing University)	04:15-04:30
89	HAMSRNet- Hybrid Attention Multiscale Super-Resolution Network for Endoscopic Images	Hafeez Anjum(NUST)	04:30-04:45

Tea/Coffee Break (04:45-05:00)

5th International Conference on Digital Futures and Transformative Technologies (ICoDT2_)

Schedule 18th December, 2025
Technical Session III: (Classroom-2) 1st Floor

Session Chair: Dr. Hammad Majeed

Paper ID	Title	Presenter	Time Duration
107	DINOv3-UNet Robust Local and Global Feature Fusion for Dermoscopic Segmentation	Zulkaif Sajjad (UET)	**10:00-10:10**
71	Few-Shot Brain Tumor Segmentation Using Transformer-Based Models with Explainable AI	Ayesha Maryam (NUST)	**10:10-10:20**
42	AI driven fault detection in grid connected EV system through machine learning models	Mohsin Jamil (Brock University)	**10:20-10:30**
148	A Calibrated Clinicogenomic Framework for Glioblastoma Survival Prediction Framework for Glioblistoma Survival Prediction	Hassan Ali Khattak (Sydney Polytechnic Institute)	**10:30-10:40**
134	Advanced Cybersecurity Methods for DEtecting Online Harrasement and Cyberbullying	Kianat Rizwan (TMUC)	**10:40-10:50 (Fee Pending)**
141	Federated Deep Learning For CNC Tool-Wear and Anamoly Monotioring	Ahmed Junaid (CECOS University)	**10:50-11:00 (Fee Pending)**

Tea/Coffee Break (11:00-11:15)

5th International Conference on Digital Futures and Transformative Technologies (ICoDT2)

Schedule 18th December, 2025
Technical Session IV: (Classroom-2) 1st Floor

Session Chair: Dr. Munir Butt

Paper ID	Title	Presenter	Time Duration
109	Strong Baselines for PlantCity: Multi-Crop Leaf-Disease Classification	Syed Usama Rehan (NUCES)	12:30-12:40
147	A Hybrid Transformer CNN Model for Automated Mass Dispersion Curve Extraction and Subsurface Characterization	Amina Ashraf (NUST)	12:40-12:50
124	VGGish and OpenAI Whisper-Driven Machine Learning for Dysarthric Speech Reconstruction	Qurat Ain (NUML, Islamabad)	12:50-01:00
159	A Multi-LLM Pipeline for Retrieval- Grounded, Blooms Taxonomy-Aligned Question Generation	Muhammad Abdullah (NUST)	01:00-01:10
138	Stress and Anxiety Level Prediction in Students Using Psychological Metrics and Machine Learning Techniques	Hafiz Arslan Ramzan (NUST)	01:10-01:20
3	A Federated Learning Framework with GAF-CNNs for Robust Sensor Fault Detection in WSN	Rehan Khan (University of Ulsan)	01:20-01:30 (Fee Pending)

Lunch Break (1:30-2:15)

5th International Conference on Digital Futures and Transformative Technologies (ICoDT2)

Schedule 18th December, 2025
Technical Session V: (Classroom-2) 1st Floor

Session Chair: Dr. Absaar Ul Jabbar

Domain:

Paper ID	Title	Presenter	Time Duration
137	Dual-Modality Depression Severity Prediction Using PHQ-9 and Emotion-Aware Text Modeling with Transformers	Hafiz Arslan Ramzan (NUST)	02:15-02:30
151	FIRE A Hybrid Deep Learning Framework for Rule-Based Interpretability in Diabetic Patient Analysis	Tasawar Abbas Khan (COMSATS)	02:30-2:45
83	Lightweight CNN-Based SISO Channel Estimation for Edge-Deployable 5G Systems	Eman Chaudhary (NUST)	2:45-03:00
4	Simple And Effective Urdu Dependency Parsing with RoPE-Augmented Character-Level Attention	Samia Basharat (University of Punjab)	(3:00-3:15) (Fee Pending)
91	Cross-Attention Patch Fusion for Few-Shot Colorectal Tissue Generation	Mansoor Hayat (Institute of Southern Punjab Multan)	03:15-03:30

Closing Ceremony (3:30-5.00 PM)