

**International Conference on Electrical, Computer and Communication Technologies (ECCT 2026)**

**Date: May 7-9, 2026**

**Organizers:**

Department of CSE and EEE, DIU, Bangladesh

Center for Intelligent Computing

Bangladesh Computer Society

**Venue:**

Dhaka International University, Bangladesh

**Program Schedule** (All Times in Bangladesh Standard Time (GMT + 6:00 hrs))

**Day-1: May 7, 2026 (Thursday)**

**Inaugural Ceremony**

**Date:** May 7, 2026, **Time:** 9:30 am to 10:30 am BST (GMT + 6:00 hours)

**Venue:** STC

**Keynote Speech-01 (Offline)**

**Date:** May 7, 2026, **Time:** 10:45 am to 11:30 am BST (GMT + 6:00 hours)

**Venue:** STC

**Title:**

**Speaker:** Prof. Dr. M. Sohel Rahman, Department of CSE, BUET

**Volunteers:**

Rakib, CSE, 01980024190

Ridoy, CSE, 01907607838

**Keynote Speech-02 (Offline)**

**Date:** May 7, 2026, **Time:** 11:30 am to 12:15 pm BST (GMT + 6:00 hours)

**Venue:** STC

**Title:**

**Speaker:** Prof. Dr. Latifur Khan, University of Texas, Dallas, USA

**Volunteers:**

Sumon, CSE, 01632315586

Siam, CSE, 01950797397

**Refreshment**

<p><b>Date:</b> September 25, 2025, <b>Time:</b> 11:25 am to 11:40 am BST (GMT + 6:00 hours)  <b>Venue:</b> STAC</p>	
<p style="text-align: center;"><b>Keynote Speech-03 (Hybrid)</b></p> <p><b>Date:</b> May 7, 2026, <b>Time:</b> 12:15 pm to 1:00 pm BST (GMT + 6:00 hours)  <b>Venue:</b> STC  <b>Title:</b> The Art of Sparsity for Higher Order Tensors  <b>Speaker:</b> Prof. Dr. K.M. Azharul Hasan</p> <p>Zoom <span style="float: right;">Link:</span>  <a href="https://bdren.zoom.us/j/94827143920?pwd=BCbWpAHSP3TwYSaYb8keBka5AUhWma.1">https://bdren.zoom.us/j/94827143920?pwd=BCbWpAHSP3TwYSaYb8keBka5AUhWma.1</a></p>	<p><b>Volunteers:</b>  Turjo, CSE, 01717059047  Yousuf, CSE, 01629263618</p>
<p style="text-align: center;"><b>Keynote Speech-04 (Hybrid)</b></p> <p><b>Date:</b> May 8, 2026, <b>Time:</b> 2:15 pm to 3:00 pm BST (GMT + 6:00 hours)  <b>Venue:</b> STC and Online  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/91268923456?pwd=FOXrwr0d2FhVX1baW0rotvSVbhx0gu.1">https://bdren.zoom.us/j/91268923456?pwd=FOXrwr0d2FhVX1baW0rotvSVbhx0gu.1</a></p> <p><b>Title:</b> Long Duration Energy Storage with Advanced Materials: Role of AI in Optimization of Synthesis and Storage</p> <p><b>Speaker:</b> Prof. Dr. Saidur Rahman, Head of RCNMET, Sunway University, Malaysia</p>	<p><b>Volunteers:</b>  Mehedi, CSE, 01868922164  Rashed, CSE, 01646516884</p>
<p style="text-align: center;"><b>Keynote Speech-05 (Hybrid)</b></p> <p><b>Date:</b> May 8, 2026, <b>Time:</b> 3:00 pm to 3:45 pm BST (GMT + 6:00 hours)  <b>Venue:</b> STC and Online  <b>ZoomLink:</b>  <a href="https://bdren.zoom.us/j/95627554083?pwd=LIJtl2b4VxWjn0ZqtjSfuVx8Q5mRHN.1">https://bdren.zoom.us/j/95627554083?pwd=LIJtl2b4VxWjn0ZqtjSfuVx8Q5mRHN.1</a></p> <p><b>Title:</b> Enhancing Online Learning Through AI based Student Engagement Detection</p>	<p><b>Volunteers:</b>  Ashraful, CSE, 01889262042  Komol, CSE, 01755777487</p>

<p><b>Speaker:</b> Dr. Ali Dewan, School of Computing and Information Systems, Athabasca University, Canada</p>	
<p style="text-align: center;"><b>Keynote Speech-06 (Hybrid)</b></p> <p><b>Date:</b> May 8, 2026, <b>Time:</b> 3:45 pm to 4:30 pm BST (GMT + 6:00 hours)  <b>Venue:</b> STC and Online  <b>ZoomLink:</b>  <a href="https://bdren.zoom.us/j/96124325038?pwd=IJAthCyNDwHIZDwWUebyWWAsbMLqVC.1">https://bdren.zoom.us/j/96124325038?pwd=IJAthCyNDwHIZDwWUebyWWAsbMLqVC.1</a>  <b>Title:</b> Enhancing Online Learning Through AI based Student Engagement Detection  <b>Speaker:</b> Prof. Dr. Chanchal Roy, University of Saskatchewan, Canadian</p>	<p><b>Volunteers:</b>  Imran, CSE, 01920053800  Ranjit, CSE, 01707991928</p>
<p><b>Prayer and Lunch Break</b></p> <p><b>Date:</b> May 7, 2026, <b>Time:</b> 1:15 pm to 2:00 pm BST (GMT + 6:00 hours)</p>	
<p style="text-align: center;"><b>Technical Session –D1A1 (Online)</b></p> <p><b>Session Title:</b> AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-01  <b>Date:</b> May 7, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/91012054751?pwd=ahNXr0vAIGrFjCv72G4qgJ3LIAsSal.1">https://bdren.zoom.us/j/91012054751?pwd=ahNXr0vAIGrFjCv72G4qgJ3LIAsSal.1</a></p> <p><b>PID-141:</b> A Lightweight Deep Learning Framework with Grad-CAM-Based Explainability for Multiclass Classification of Gallbladder Diseases from Ultrasound Images  <b>PID-166:</b> Sobel-MobileNet Fusion: A Gradient-Sensitive and Texture-Aware Hybrid Network for Explainable Arsenicosis Classification  <b>PID-205:</b> Multi-Class Dental Diagnosis from Panoramic Radiographs Through Object Detection using YOLO, Faster R-CNN and DETR  <b>PID-285:</b> RED-Burn: An Explainable and Robust Deep Learning Framework for Automated Burn Triage  <b>PID-286:</b> Explainable Deep Learning for Multi-Class Laryngeal Tissue Classification from Narrow-Band Endoscopic Images  <b>PID-417:</b> Multi-Architecture Deep Learning Ensemble with Attention-Based Fusion for Thoracic Disease Classification on Chest X-rays  <b>PID-439:</b> Ensemble Deep Learning Framework for Diabetic Retinopathy Detection  <b>PID-491:</b> CCE-Net: A CLAHE and CBAM Enhanced EfficientNetB3 Framework for Arsenic-Induced Skin Lesions Recognition</p>	<p><b>Volunteers:</b>  Shishir, CSE, 01785663736  Mushfiq, EEE, 01344642700</p>

<p><b>PID-546:</b> Multi-XAI Fusion Framework for Reliable Skin Cancer Detection Using Interpretable Deep Learning</p>	
<p style="text-align: center;"><b>Technical Session –D1A2 (Online)</b></p> <p><b>Session Title:</b> Cybersecurity, Privacy, Trustworthy AI and Digital Safety-01  <b>Date:</b> May 7, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/94578462229?pwd=kEPo2aRcZWIBNzXb2vvllnHnm9UZBV.1">https://bdren.zoom.us/j/94578462229?pwd=kEPo2aRcZWIBNzXb2vvllnHnm9UZBV.1</a></p> <p><b>PID-062:</b> A Hybrid Framework for Fair and Real-Time Crime Hotspot Prediction  <b>PID-137:</b> AI-Driven Telemetry Based Detection and Prevention of Lateral Movement and Command and Control (C2) Attacks in Zero Trust Enterprise Networks and Applications  <b>PID-161:</b> Enhancing API Security through Zero Trust Architecture and Machine Learning: Detection, Prevention, Privacy, and Robustness  <b>PID-211:</b> Transparent and Reliable Electronic Voting System using Blockchain: Bangladesh Perspective</p> <p><b>PID-257:</b> Graph-Enhanced Transformer Architecture for Multi-Class Cyberbullying Detection on Social Media  <b>PID-330:</b> Network Anomaly Detection Using K-Nearest Neighbors: A Machine Learning Approach  <b>PID-701:</b> UAVCAN-Graph: Temporal Graph Construction and Residual GNN for Multi-Class Attack Detection in UAV Systems</p>	<p><b>Volunteers:</b>  Rakib, CSE, 01980024190  Ridoy, CSE, 01907607838</p>
<p style="text-align: center;"><b>Technical Session –D1A3 ( Online )</b></p> <p><b>Session Title:</b> Bangla NLP, LLMs, Social Media and Recommender Analytics-01  <b>Date:</b> May 7, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/95632507849?pwd=Ytt8SQQFQ6mTaONmR3TegiKkCu3dxH.1">https://bdren.zoom.us/j/95632507849?pwd=Ytt8SQQFQ6mTaONmR3TegiKkCu3dxH.1</a></p> <p><b>PID-238:</b> Risk-Adaptive Hierarchical Reinforcement Learning for Cryptocurrency Trading with Multi-Resolution Microstructure and Sentiment Fusion  <b>PID-244:</b> Enhancing Bangla E-Commerce Review Sentiment Analysis Using Deep Learning Frameworks  <b>PID-265:</b> A Hybrid CNN–LSTM Framework for Robust Bengali Speech Emotion Recognition Using Data Augmentation on the SUBESCO Dataset  <b>PID-360:</b> Hate Speech Detection and Classification in Bangla: A Multi-Platform Approach  <b>PID-374:</b> BanglaBioCorpus: An NLP-driven Framework for Medical Named Entity Recognition and Specialist Recommendation</p>	<p><b>Session Chair:</b></p> <p><b>Volunteers:</b>  Sumon, CSE, 01632315586  Siam, CSE, 01950797397</p>

<p><b>PID-395:</b> Curriculum-Aware and Grounded Multimodal RAG for SSC-Level Bangla and Code-Mixed Educational Assistance  <b>PID-444:</b> Identifying Efficient Hyperparameter Tuning Methods for Bangla Deep Learning Tasks</p>	
<p style="text-align: center;"><b>Technical Session –D1A4 ( Online )</b></p> <p><b>Session Title:</b> Smart IoT, Autonomous Transportation, Edge Systems and Industrial Automation-01  <b>Date:</b> May 7, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/94013616777?pwd=7caA18cU9MRMbyC6oTtd2b3WqNZ91A.1">https://bdren.zoom.us/j/94013616777?pwd=7caA18cU9MRMbyC6oTtd2b3WqNZ91A.1</a></p> <p><b>PID-150:</b> System and Network Architecture for Deep Deterministic Policy Gradient-Based for Device-to-Device Wireless Communications  <b>PID-160:</b> Improving Urban Traffic Flow with Dueling Double Deep Q-Networks for Variable Speed Control in SUMO  <b>PID-197:</b> IoT-Enabled Low-Cost Smart Home Security Framework with Multi-Hazard Sensing: Prototype Validation, Latency, and Deployment Trade-off Analysis  <b>PID-235:</b> A Low-Cost ESP32-Based Bluetooth Wireless Remote Actuation System for IoT Applications  <b>PID-273:</b> CSI-STACID: A Robust Device-Free Gait Identification Framework Using ESP32 WiFi CSI  <b>PID-629:</b> MSCNet: A Lightweight Multi-Scale Compensation Network for Underwater Image Enhancement on Resource-Constrained Systems  <b>PID-570:</b> Device-Independent Human Activity Recognition across Wearable Sensors in an IoT Framework  <b>PID-711:</b> Real-Time Traffic Sign Detection in Bangladesh: A Comparative Study of YOLOv11 Variants</p>	<p><b>Volunteers:</b>  Turjo, CSE, 01717059047  Yousuf, CSE, 01629263618</p>
<p style="text-align: center;"><b>Technical Session –D1A5 ( Online )</b></p> <p><b>Session Title:</b> Renewable Energy, EV Power Systems, Photonics, Semiconductor Devices and Communications Hardware-01  <b>Date:</b> May 07, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/99856592261?pwd=HQzJXxhtoh82qMmH7aLEn80PRoeBgG.1">https://bdren.zoom.us/j/99856592261?pwd=HQzJXxhtoh82qMmH7aLEn80PRoeBgG.1</a></p> <p style="text-align: center;"><b>Zoom ID:</b></p> <p><b>PID-047:</b> Modeling Energy Security Resilience: A Hybrid Machine Learning and Panel ARDL Approach.</p>	<p><b>Volunteers:</b>  Rafsan, EEE, 01302129300  Shakawat, EEE, 01626225557</p>

<p><b>PID-255:</b> Design and Analysis of an Advanced Electrical Power System with Renewable Energy Integration</p> <p><b>PID-325:</b> A Resilient Damping Controller to Reduce Low Frequency Oscillations in a Battery Energy Storage System Based Microgrid</p> <p><b>PID-503:</b> Gamifying Sustainable Infrastructure: Piezo Agent as a Human-Centric Interface for Complex Energy Harvesting Research</p> <p><b>PID-507:</b> Hybrid Optimization and Machine Learning Framework for Reflection Coefficient Prediction in 5G Communication Systems</p> <p><b>PID-532:</b> Two-Stage Coordination of Electric Vehicle Charging Stations in a Distribution System</p> <p><b>PID-580:</b> Attention-Enhanced LSTM Framework for Accurate and Robust Short-Term Solar Power Forecasting in Smart Grid Systems</p>	
<p style="text-align: center;"><b>Technical Session –D1A6 ( Online )</b></p> <p><b>Session Title:</b> AgriTech, Environmental Intelligence, Food Computing and Sustainable Vision Analytics-01</p> <p><b>Date:</b> May 07, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/96335117749?pwd=woPBATaMEPrdNIFwZldt2aomjo09CR.1">https://bdren.zoom.us/j/96335117749?pwd=woPBATaMEPrdNIFwZldt2aomjo09CR.1</a></p> <p><b>PID-146:</b> Smart Agriculture: An Intelligent Crop Recommendation System Using Deep Learning, Machine Learning, and Web-Based Decision Support Platform</p> <p><b>PID-202:</b> Explainable Multi-Class Crop Recommendation System Using Stacking Ensemble Learning and SHAP-Based Feature Analysis</p> <p><b>PID-214:</b> Advancing Digital Agriculture: Deep Learning based A smart rose disease Classifier</p> <p><b>PID-216:</b> Crisis-CLIP: A Resource-Efficient Multimodal Framework for Real-Time Disaster Response</p> <p><b>PID-259:</b> Hydro-TransGRU: A Framework for Flood Prediction with Explainable AI in Bangladesh</p> <p><b>PID-344:</b> TEMPO-X: Knowledge-Distilled Cross-Domain Temporal Attention Network with Explainable Transfer Learning for Satellite Images</p> <p><b>PID-449:</b> MangoLeafVarietyBD: A High-Resolution Image Dataset for Mango Variety Classification using Multi-Architecture Deep Learning</p> <p><b>PID-458:</b> Explainable Knowledge Distillation from ConvNeXt to MobileNetV3 for Efficient Plant Disease Classification</p> <p><b>PID-483:</b> Smart Farming: YOLOv8-CBAM for Automated Insect Detection in Precision Agriculture.</p>	<p><b>Volunteers:</b>  Kaosar, EEE, 01914407473  Shoton, EEE, 01786118570</p>
<p style="text-align: center;"><b>Technical Session –D1A7 ( Online )</b></p> <p><b>Session Title:</b> AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-02</p> <p><b>Date:</b> May 07, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b> <a href="https://bdren.zoom.us/j/93908664186?pwd=WVv7U2aQya5kaJQebsbegEZcNHN">https://bdren.zoom.us/j/93908664186?pwd=WVv7U2aQya5kaJQebsbegEZcNHN</a></p>	<p><b>Volunteers:</b>  Imran, CSE, 01920053800  Ranjit, CSE, 01707991928</p>

<p>b4o.1</p> <p><b>PID-78:</b> Fairness-Aware Calibrated Gradient-Boosted Models for Leakage-Safe Chronic Kidney Disease Screening and Staging in NHANES</p> <p><b>PID-125:</b> A Semi-Supervised and Explainable Stacked Ensemble Model for Multi-Class Haematological Disorder Classification Using Complete Blood Count Data</p> <p><b>PID-209:</b> On the Validity of Multi-Class Depression Classification: A Severity- and Uncertainty-Aware Analysis</p> <p><b>PID-287:</b> MRI-Based Alzheimer’s Disease Classification using Deep Learning Models with Explainable AI</p> <p><b>PID-443:</b> Dual-Backbone ConvNeXt–EfficientNet Ensemble for Accurate and Uncertainty-Aware Brain Tumor Classification from MRI</p> <p><b>PID-462:</b> A Soft Voting-based Ensemble Approach for Histopathological Lung Cancer Classification using Advanced Deep Learning Architectures</p> <p><b>PID-572:</b> Efficient Diabetic Retinopathy Grading on APTOS Using a Lightweight MobileNetV3-Large Model</p> <p><b>PID-601:</b> Confusion-Aware Refinement for Multi-Class Mental Health Classification in Social Media Posts</p>	
<p style="text-align: center;"><b>Technical Session –D1A8 (Online)</b></p> <p><b>Session Title:</b> Bangla NLP, LLMs, Social Media and Recommender Analytics-02</p> <p><b>Date:</b> May 07, 2026 <b>Time:</b> 2:00 pm to 4:00 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/95497320676?pwd=NSoWvgkaZh6A2TpFWgSF1MRafgkdCY.1">https://bdren.zoom.us/j/95497320676?pwd=NSoWvgkaZh6A2TpFWgSF1MRafgkdCY.1</a></p> <p><b>PID-122:</b> AI Driven Techniques for Predicting Student's Class Lecture Activity to Improve Learning Outcomes</p> <p><b>PID-139:</b> Predicting Student Academic Performance from Collaborative Learning Behaviors Using Machine Learning and Explainable Insights</p> <p><b>PID-145:</b> A Comparative Study of Machine Learning Models for E-Commerce Demand Forecasting with Explainable AI</p> <p><b>PID-469:</b> ChattogramSent: A Multilingual Sentiment Dataset for the Chattogram Dialect, Standard Bengali, and English</p> <p><b>PID-473:</b> Transformer-Based Unified Framework for Joint Tense and Sentiment Analysis in Annotated Bengali Corpora</p> <p><b>PID-662:</b> SOMA: Multimodal Sentiment Analysis of Bangla Memes Using Vision and Transformer-Based Models</p>	<p><b>Volunteers:</b>  Showrav, EEE, 01771169015  Tanvir, EEE, 01617561378</p>
<p><b>Break</b></p> <p><b>Date:</b> May 7, 2026, <b>Time:</b> 4:00 pm to 4:30 pm BST (GMT + 6:00 hours)</p>	

<p style="text-align: center;"><b>Technical Session –D1B1 (Online)</b></p> <p><b>Session Title: Smart IoT, Autonomous Transportation, Edge Systems and Industrial Automation-02</b></p> <p><b>Date: May 07, 2026 Time:</b> 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b> <a href="https://bdren.zoom.us/j/94298574121?pwd=tcJoS6iGfovr9cvxkWkdxRrUXbNnVE.1">https://bdren.zoom.us/j/94298574121?pwd=tcJoS6iGfovr9cvxkWkdxRrUXbNnVE.1</a></p> <p><b>PID-263:</b> Noise -Robust ADPCM for Image Transmission Using CNN-Based Error Correction</p> <p><b>PID-279:</b> A Dataset-Driven Deep Transfer Learning Approach for Corrosion Detection in Industrial Tools and Equipment</p> <p><b>PID-293:</b> Comparative Performance Evaluation of Traditional and Deep-Learning Models for Acoustic Scene Classification</p> <p><b>PID-297:</b> LPR-YNet: A Four-Scale YOLOv11 Architecture for Robust Low-Light License Plate Recognition</p> <p><b>PID-595:</b> Feature Engineering and Underwater Motor Acoustic Classification Using 1D CNNs</p> <p><b>PID-609:</b> Automated Detection and Classification of Electronic Components</p> <p><b>PID-627:</b> An Advanced Architecture for Low-Light Image Enhancement</p>	<p><b>Volunteers:</b>  Showrav, EEE, 01771169015  Tanvir, EEE, 01617561378</p>
<p style="text-align: center;"><b>Technical Session –D1B2 (Online)</b></p> <p><b>Session Title: Renewable Energy, EV Power Systems, Photonics, Semiconductor Devices and Communications Hardware-02</b></p> <p><b>Date: May 07, 2026 Time:</b> 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)</p> <p><b>Zoom Link:</b> <a href="https://bdren.zoom.us/j/96696554492?pwd=u30D56wvmUbnugDarBJuoC30BgJZoN.1">https://bdren.zoom.us/j/96696554492?pwd=u30D56wvmUbnugDarBJuoC30BgJZoN.1</a></p> <p><b>PID-247:</b> Architectural Convergence: A Theoretical and Applied Framework for Hybrid Quantum-High Performance Computing (Q-HPC) Systems</p> <p><b>PID-301:</b> AdaSparse: A Sensitivity-Aware Dynamic N:M Sparsity Framework for Energy-Efficient Inference on Tensor Cores</p> <p><b>PID-484:</b> An AI-based framework for Li-Fi: A hybrid experimental and simulation approach</p> <p><b>PID-548:</b> Compact Planar Yagi-Uda Antenna with Frequency Reconfigurability for 2.4/5 GHz IoT Applications</p> <p><b>PID-568:</b> An Explainable AI Framework for Autonomous Optimization of Nanomaterial Synthesis with Morphology-Aware Control</p> <p><b>PID-630:</b> Effect of Graphene-Based and Doped Hole Transport Layers on CH<sub>3</sub>SnI<sub>3</sub> Lead-Free Perovskite Solar Cells: A SCAPS-1D Analysis</p> <p><b>PID-647:</b> Numerical Optimization and Viability Assessment of Lead-Free Cs<sub>2</sub>TiBr<sub>6</sub> Perovskite Solar Cells Using SCAPS-1D</p> <p><b>PID-690:</b> Machine Learning-Driven Calibration of Industrial Temperature Sensors with Drift Awareness and Uncertainty Quantification for Enhanced Measurement Accuracy</p>	<p><b>Volunteers:</b>  Kaosar, EEE, 01914407473  Shoton, EEE, 01786118570</p>

<p style="text-align: center;"><b>Technical Session –D1B3 (Online)</b></p> <p><b>Session Title: Cybersecurity, Privacy, Trustworthy AI and Digital Safety-02</b>  <b>Date: May 07, 2026 Time: 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)</b>  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/96818625770?pwd=VIS2GNuS34LL2XtEvGnQs3cOE1vvJo.1">https://bdren.zoom.us/j/96818625770?pwd=VIS2GNuS34LL2XtEvGnQs3cOE1vvJo.1</a>  <b>PID-262:</b> Deep Learning Integrated CNN-ADPCM Method for Secure Wireless Communication  <b>PID-351:</b> A Real-Time Lightweight Intrusion Detection System for Smart City Networks Using Optimized Deep Learning  <b>PID-453:</b> Covert Data Transmission Using Secret Sharing and ARP Network Steganography  <b>PID-482:</b> MANet: AContext-Aware Attention Network for Robust Zero-Day Ransomware Detection  <b>PID-486:</b> Quantum Kernel Based Classification for Quishing Detection: A Comparative Study of QKNN and QSVM  <b>PID-591:</b> A Self-Supervised Graph Neural Network Framework for Zero-Day Intrusion Detection in Large-Scale Networks</p>	<p><b>Volunteers:</b>  Imran, CSE, 01920053800  Ranjit, CSE, 01707991928</p>
<p style="text-align: center;"><b>Technical Session –D1B4 (Online)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-03</b>  <b>Date: May 07, 2026 Time: 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)</b>  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/96658804807?pwd=BxuaadGq1bsXlcFeBnGOE3PoCD3WnM.1">https://bdren.zoom.us/j/96658804807?pwd=BxuaadGq1bsXlcFeBnGOE3PoCD3WnM.1</a>  <b>PID-085:</b> Advancing the Diagnosis of Gastrointestinal Disease Using a Deep Learning Model  <b>PID-086:</b> An Efficient Machine Learning Approach for Maternal Health Risk Prediction with SMOTE-ENN and PCA  <b>PID-162:</b> Explainable AI for Multi-Class Alzheimer’s Disease Prediction Using Clinical Tabular Data  <b>PID-603:</b> ORViT-DR: Ordinality-Aware Hybrid ViT for Low-Resolution Diabetic Retinopathy Grading  <b>PID-611:</b> Early Detection of Skin Cancer using DenseNet and Convolutional Block Attention Module through Dermoscopic Image Analysis  <b>PID-619:</b> Hybrid Transformer–CNN Fusion with PCA and Stacking Ensemble for Multi-Class Neurodegenerative Disease Classification from MRI  <b>PID-680:</b> Baseline-Aware Practical Framework for EEG Workload Classification with Reduced Electrodes Across Multiple Datasets  <b>PID-710:</b> TOE Framework Analysis of AI-Augmented Telemedicine Adoption by Healthcare Providers in Dhaka, Bangladesh</p>	<p><b>Volunteers:</b>  15. Rafsan, EEE 01302129300  16. Shakawat, EEE 01626225557</p>
<p style="text-align: center;"><b>Technical Session –D1B5 (Online)</b></p> <p><b>Session Title: Bangla NLP, LLMs, Social Media and Recommender Analytics-03</b></p>	<p><b>Volunteers:</b>  13. Shishir, CSE 01785663736</p>

<p><b>Date: May 07, 2026 Time:</b> 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/92589647124?pwd=c82nbYZjapIN22Z33F5ZXC5Pom269.1">https://bdren.zoom.us/j/92589647124?pwd=c82nbYZjapIN22Z33F5ZXC5Pom269.1</a></p> <p><b>PID-140:</b> MemeStream: A Dedicated Meme-Sharing Platform with AI-Powered Content Validation and Real-Time Engagement  <b>PID-253:</b> Customer Segmentation Analysis using Synthetic Retail Data in Big Data Environment  <b>PID-300:</b> An Automated Two-Stage Decision Support System for Risk-Adjusted Stock Trading in Emerging Frontier Markets: Synergizing Fundamental Valuation with Deep LSTM Ensembles  <b>PID-475:</b> Determinants of Cloud Computing Adoption and Operational Performance: The Mediating Role of Cloud Adoption in SMEs in an Emerging Economy  <b>PID-543:</b> Comparing Human-Centered and Generative AI-Based Usability Evaluation: A Case Study on a Ride-Sharing App  <b>PID-686:</b> FairSER: A Lightweight Gender-Debiased Framework for Speech Emotion Recognition Utilizing a CNN--Transformer Hybrid</p>	<p>14. Musfiq, EEE 01344642700</p>
<p style="text-align: center;"><b>Technical Session –D1B6 (Online)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-04</b>  <b>Date: May 07, 2026 Time:</b> 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/96353466413?pwd=8YZHvCJKeCRXAmhjUMvTBYQc4iFtAO.1">https://bdren.zoom.us/j/96353466413?pwd=8YZHvCJKeCRXAmhjUMvTBYQc4iFtAO.1</a></p> <p><b>PID-269:</b> Early Prediction of Heart Disease Using a Stacking Ensemble Machine Learning Model  <b>PID-280:</b> Forward Temporally Validated and Calibration-Aware Mortality Risk Prediction with Fairness and Explainability in a Population-Based Cohort  <b>PID-463:</b> AI-Driven Early Detection of Heart Disease Using Machine Learning and Deep Learning  <b>PID-582:</b> Workload-Bounded Postoperative Stroke Risk Prediction of Surgical ICU Patients Using MIMIC-IV: Temporal Validation, Calibration, and Decision-Curve Utility  <b>PID-589:</b> CutMix-AUG: Improving Deep Learning–Based Leukemia Diagnosis Using Pathology-Aware Data Augmentation  <b>PID-592:</b> MagViT: Interpretable Multi-Magnification Transformers with Patient-Level Model Selection for Breast Histopathology  <b>PID-594:</b> Medical Text Simplification for Rural Patients: Safe, Accessible, and Equity-Focused NLP Solutions</p>	<p><b>Volunteers:</b>  9. Ashraful, CSE 01889262042  10. Komol, CSE 01755777487</p>
<p style="text-align: center;"><b>Technical Session –D1B7 (Online)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-05</b>  <b>Date: May 07, 2026 Time:</b> 4:30 pm to 6:30 pm BST (GMT + 6:00 hours)  <b>Zoom Link:</b>  <a href="https://bdren.zoom.us/j/99515303774?pwd=o9unNqf4KAPHyplhT0BHDHNSFOACKh.1">https://bdren.zoom.us/j/99515303774?pwd=o9unNqf4KAPHyplhT0BHDHNSFOACKh.1</a></p>	<p><b>Volunteers:</b>  7. Mehedi, CSE 01868922164  8. Rashed, CSE 01646516884</p>

<p><b>PID-282:</b> Transformer-Based Early Detection of Mental Health Disorders Using Multilingual Text and Emoji</p> <p><b>PID-337:</b> A Resistome-Driven Ensemble Framework for Antimicrobial Resistance Phenotype Prediction</p> <p><b>PID-419:</b> ASL Fingerspelling Recognition: A Comparative Study of ML, DL, and Attention-Based Approaches</p> <p><b>PID-501:</b> DPH-Net: A Dual-Path Hybrid CNN Bi-LSTM Attention and CatBoost Fusion Framework for EEG-Based Epileptic Seizure Detection</p> <p><b>PID-542:</b> EfficientSignBD: Automated Sign Language Recognition using Deep Convolutional Neural Network Based on EfficientNet Architecture</p> <p><b>PID-586:</b> Few-Shot Cross-Dataset Adaptation for Tuberculosis Detection Using DenseNet</p> <p><b>PID-623:</b> CG-HEM-CL: Hard-Example Mining with Contrastive Learning of Brain Tumors in MRI with Curriculum guidance.</p>	
<h2>End of Day 1</h2>	

**Program Schedule**  
**All Times in BST (GMT + 6:00 hrs)**  
**Day-2: May 8, 2026 (Friday)**  
**Venue: Dhaka International University**

<p><b>Breakfast, Registration and Kits Collection</b>  <b>Date:</b> May 8, 2026, <b>Time:</b> 7.30:00 am to 9:00 am BST (GMT + 6:00 hours)  <b>Venue:</b> 502 (4<sup>th</sup> Floor), New Building</p>	
<p style="text-align: center;"><b>Technical Session –D2C1 (Offline)</b></p> <p><b>Session Title:</b> AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-06  <b>Date:</b> May 08, 2026 <b>Time:</b> 8:30 am to 10:30 am BST (GMT + 6:00 hours)  <b>Venue:</b> Lab-1 (4<sup>th</sup> Floor), New Building</p> <p><b>PID-059:</b> End-to-End Deep Learning Framework for Kidney MRI Segmentation and Explainable CKD Detection Using Transfer Learning</p> <p><b>PID-261:</b> Can Large Language Models Predict and Explain Diabetes Outcomes?</p>	<p><b>Volunteers:</b></p> <ol style="list-style-type: none"> <li>1. Rakib ,CSE 01980024190</li> <li>2. Ridoy, CSE 01907607838</li> </ol>

<p><b>PID-276:</b> Cross-Attention as Architectural Enhancement for Septic Shock Prediction: Insights from Multimodal Fusion Analysis on MIMIC-IV</p> <p><b>PID-298:</b> Advancing Sports Injury Risk Prediction Through Machine Learning: Evaluating Ensemble Intelligence Against Classical Classifiers</p> <p><b>PID-406:</b> A Robust Stacking Ensemble Model for Stroke Risk Prediction with Integrated Dual Explainability via SHAP and LIME</p> <p><b>PID-421:</b> Assessing the Stability of Feature Attributions in Explainable Machine Learning Models for Maternal Health Risk Prediction</p> <p><b>PID-497:</b> An Explainable Soft Voting Ensemble Framework for Cardiovascular Disease Prediction Using Large-Scale Clinical Data</p> <p><b>PID-516:</b> Deep Ensemble Learning and Explainable AI for Automated Scalp Disease Classification and Clinical Reporting</p> <p><b>PID-649:</b> An Ensemble Machine Learning Framework for Stroke Prediction Using Clinical Data</p>	
<p style="text-align: center;"><b>Technical Session –D2C2 (Offline)</b></p> <p><b>Session Title: Cybersecurity, Privacy, Trustworthy AI and Digital Safety-03</b></p> <p><b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Lab-3 (4<sup>th</sup> Floor), New Building</b></p> <p><b>PID-130:</b> A Comparative Study of Bangla Social Media Cyberbullying Detection Integrating Machine Learning and Blockchain Technology</p> <p><b>PID-377:</b> An explainable Ensembled Boosting strategy for making a multi-class intrusion detection framework based on the CICIDS2017 dataset</p> <p><b>PID-400:</b> Semantic Feature Mapping for Enhanced Cross-Dataset Generalization in Network Intrusion Detection Systems</p> <p><b>PID-525:</b> Adversarial Attacks on Intrusion Detection Systems: How ML-based IDS Can Be Tricked and Defenses That Work</p> <p><b>PID-576:</b> An Explainable LSTM Approach for Trustworthy Intrusion Detection Using SHAP and LIME</p> <p><b>PID-612:</b> ClsMeta-IDS: Clustered Privacy-Preserving Federated Meta-Learning for Few-Shot Adaptive IoT Anomaly Detection in Non-IID Environments</p> <p><b>PID-631:</b> Federated and Explainable Machine Learning Framework for Cyber Attack Detection in Smart Grids</p> <p><b>PID-646:</b> A Reproducible Evaluation of Machine Learning Models for Intrusion Detection Using UNSW-NB15</p> <p><b>PID-664:</b> Lightweight and Explainable 1D Convolutional Neural Network Framework for Intrusion Detection in IoT Networks Targeting DDoS and Mirai Attacks</p>	<p><b>Volunteers:</b></p> <p>3. Sumon, CSE 01632315586</p> <p>4. Siyam, CSE 01950797397</p>
<p><b>Technical Session –D2C3 (Offline)</b></p>	

<p><b>Session Title: Bangla NLP, LLMs, Social Media and Recommender Analytics-04</b>  <b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b>  <b>Venue: Lab-4 (4<sup>th</sup> Floor), New Building</b></p> <p><b>PID-229:</b> Evaluating Large Language Models for BanglaCHQ Dataset Summarization in a Zero-Shot Setting with Anomaly Detection  <b>PID-251:</b> Depression Detection from Code Mixed Bangla English Social Media Text  <b>PID-468:</b> An Empirical Comparative Study of Machine Learning, Deep Learning and Transformer Models for Bangla Fake News Detection  <b>PID-472:</b> Echoes of Unrest: A Multimodal NLP Framework for Early Warning of Fake News and Violence-Driven Mob Activity  <b>PID-488:</b> A Modular Machine Learning Pipeline for Bengali Food Classification and Recommendation: From Dataset to Personalized Recommendation  <b>PID-492:</b> AI-Assisted Detection of Fake News in Bangla Social Media Using Deep Learning with Explainability (XAI)  <b>PID-560:</b> Automated Classification of Slang vs Non-Slang in Romanized Chatgaiya Social Media Text  <b>PID-673:</b> Automated Detection of Fake Job Advertisements in Bangladesh via Machine Learning Approaches</p>	<p><b>Volunteers:</b>  5. Turjo, CSE 01717059047  6. Yousuf, CSE 01629263618</p>
<p style="text-align: center;"><b>Technical Session –D2C4 (Offline)</b></p> <p><b>Session Title: Smart IoT, Autonomous Transportation, Edge Systems and Industrial Automation-03</b>  <b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b>  <b>Venue: Lab-5 (5<sup>th</sup> Floor), New Building</b></p> <p><b>PID-178:</b> Adaptive Traffic Signal Control Using YOLOv10 and Fairness Logic with GUI-based Visualization  <b>PID-408:</b> Enhancing Object Detection and Tracking in Autonomous Vehicles Using a Deep Learning Approach  <b>PID-409:</b> Deep Learning-Based Hourly Traffic Volume Forecasting Using Stacked LSTM Networks: A Multi-Junction Evaluation on Heterogeneous Urban Road Sensors  <b>PID-490:</b> DIU Real-Time Transportation Tracking System  <b>PID-512:</b> RTOS-Based Intelligent Railway Level Crossing System Using ESP32-S3  <b>PID-530:</b> Beyond Speed Thresholds: Unsupervised Behavioral Regime Profiling for Vessel Anomaly Detection in Constrained Maritime Corridors  <b>PID-566:</b> Lightweight Deep Learning for Urban Traffic Intelligence: A MobileNetV2–YOLOv8 Pipeline with Adaptive Resolution Processing</p>	<p><b>Volunteers:</b>  7. Mehedi, CSE 01868922164  8. Rashed, CSE 01646516884</p>

<p><b>PID-606:</b> Predicting High-Density Traffic Events in a Permanently Slow-Speed Maritime Corridor: An AIS-Based Machine Learning Framework</p> <p><b>PID-694:</b> A Multimodal, Infrastructure-Free Offline Emergency Communication System for Mobile Devices Using Adaptive Hybrid Mesh Networking</p>	
<p style="text-align: center;"><b>Technical Session –D2C5 (Offline)</b></p> <p><b>Session Title: Renewable Energy, EV Power Systems, Photonics, Semiconductor Devices and Communications Hardware-03</b></p> <p><b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Room No: 402 (3<sup>rd</sup> Floor)</b></p> <p><b>PID-123:</b> Photovoltaic Performance Enhancement of Lead-free <math>\text{FaSnI3}</math> based Perovskite Solar Cell</p> <p><b>PID-124:</b> PV Panel Implementation for Decrease Emission of <math>\text{CO}_2</math> from Generator in Industrial Power system</p> <p><b>PID-170:</b> Techno-Economic Analysis of an Off-Grid Rooftop Solar PV–Battery System for Inland Passenger Launches in Bangladesh</p> <p><b>PID-480:</b> Performance Evaluation of a Renewable Energy-Based Solar EV Charger Using MPPT and Optimized PI Control for Sustainable Transportation</p> <p><b>PID-557:</b> Fuzzy Logic Based Smart Energy Management System for Air Conditioning Load to Minimize Energy Consumption and Cost</p> <p><b>PID-577:</b> Feasibility Study of a Floating Solar PV Based Hybrid Renewable Energy System for Sustainable Power Generation in Bangladesh</p> <p><b>PID-642:</b> Design and Simulation of an Active Charge Balancing System Using a Bidirectional DC–DC Converter for Lithium-Ion Battery Packs in Electric Vehicles</p> <p><b>PID-670:</b> An Explainable Artificial Intelligence-Based Joint State-of-Charge and State-of-Health Estimation for Distributed Battery Management Systems in Electric Vehicles</p>	<p><b>Volunteers:</b></p> <p>19. Kawsar, EEE 01914407473</p> <p>20. Shoton, EEE 01786118570</p>
<p style="text-align: center;"><b>Technical Session –D2C6 (Offline)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-07</b></p> <p><b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Room No 403 (3<sup>rd</sup> Floor)</b></p> <p><b>PID-206:</b> Explainable Stacking Ensemble for Accurate Asthma Prediction Using Clinical and Environmental Data</p> <p><b>PID-294:</b> Multi-Task Deep Learning for Vitamin Deficiency Disease and Multiple-Deficiency Prediction with Risk Scoring and Data Mining–Driven Pattern Discovery</p> <p><b>PID-336:</b> Toward Reliable Early Diabetes Screening in Pakistani Adults: A Leakage-Aware, Interpretable Machine Learning Framework Based on Non-Invasive Features</p> <p><b>PID-339:</b> Hybrid Attention-Based and Gradient-Boosted Ensemble for Accurate Chronic Kidney Disease Prediction Using Clinical and Laboratory Data</p> <p><b>PID-365:</b> The Hidden Structure of Eating through Unsupervised Behavioral Phenotyping: Beyond Obesity Classification</p>	<p><b>Volunteers:</b></p> <p>17. Showrav, EEE 01771169015</p> <p>18. Tanvir, EEE 01617561378</p>

<p><b>PID-385:</b> RBLR-CVD Residual-Boosted Linear Regression for Interpretable Cardiovascular Risk-Score Prediction in Bangladesh</p> <p><b>PID-496:</b> Machine Learning-Based Dry Eye Disease Prediction Using Metabolomic and Clinical Data: An Explainable SHAP Approach</p> <p><b>PID-513:</b> Ensemble-Based Machine Learning Approach for Early Detection of Thyroid Disease</p> <p><b>PID-652:</b> Explainable Cardiovascular Risk Stratification in Bangladesh: Integrating Youden's J Statistic and SHAP</p>	
<p style="text-align: center;"><b>Technical Session –D2C7 (Offline)</b></p> <p><b>Session Title: Bangla NLP, LLMs, Social Media and Recommender Analytics-05</b></p> <p><b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Room No 404 (3<sup>rd</sup> Floor)</b></p> <p><b>PID-260:</b> Understand and Evaluate the Strength Encoder Decoder Frameworks for Solving Low Resource Bangla Language Question Answering</p> <p><b>PID-138:</b> ShiftOR-Net: Ordinal Transfer for Smartphone Addiction Severity Under Teen-to-Undergraduate Shift</p> <p><b>PID-155:</b> Customer Retention in Bangladeshi Banks: A Predictive Analytics Approach Using Machine Learning</p> <p><b>PID-215:</b> Few-Shot Multimodal Instruction Tuning for Vision-Language Models</p> <p><b>PID-571:</b> Impact of Social Media Usage on Academic Performance: A Hybrid Machine Learning and SEM Approach</p> <p><b>PID-573:</b> Determinants of Marketing Strategy Innovation: Examining the Mediating Role of Artificial Intelligence Adoption through the TOE Framework</p> <p><b>PID-599:</b> Explainable Boosting Machine for Predicting Workforce Disruption in the Era of Artificial Intelligence</p> <p><b>PID-602:</b> From Classical ML to Transformers: A Comparative, Interpretable, and Deployment-Oriented Framework for Movie Review Sentiment Analysis</p>	<p><b>Volunteers:</b></p> <p>15. Rafsan, EEE 01302129300</p> <p>16. Shakawat, EEE 01626225557</p>
<p style="text-align: center;"><b>Technical Session –D2C8 (Offline)</b></p> <p><b>Session Title: Smart IoT, Autonomous Transportation, Edge Systems and Industrial Automation-04</b></p> <p><b>Date: May 08, 2026 Time: 8:30 am to 10:30 am BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Room No 505 (4th Floor)</b></p> <p><b>PID-272:</b> EnviroSense: IoT-Based Real-Time Air Quality Monitoring System Tips for Good Health and Well-Being</p> <p><b>PID-404:</b> Design and Implementation of a Low-Cost IoT-Based Smart Energy Meter with Real-Time Cloud Monitoring, Cost Calculation, and Non-Volatile Data Persistence</p> <p><b>PID-446:</b> LightSense-IoT: A Cloud-Connected Multi-Sensor Platform for Real-Time Environmental Monitoring and Short-Term Light Intensity Forecasting</p>	<p><b>Volunteers:</b></p> <p>9. Ashraful, CSE 01889262042</p> <p>10. Komol, CSE 01755777487</p>

<p><b>PID-625:</b> MEWC-RL++: A Modular and Adaptive Continual Reinforcement Learning Framework for Automation Systems in Structured but Evolving Environments</p> <p><b>PID-638:</b> Design and Study of a Four-stage Compliant Asymmetric Microgripper</p> <p><b>PID-650:</b> Explainable Insulator Defect Detection for Power Line Inspection: A Comparative Study of YOLOv12-L, YOLOv26-L, and RT-DETR-L on an EPRI Dataset</p> <p><b>PID-658:</b> PaniCord: An IoT-Based Emergency Alert System Using ESP32 for Real-Time Location Tracking</p> <p><b>PID-668:</b> Exploring the Key Drivers of IoT Adoption in Smart Manufacturing Firms: Evidence from a Developing Country Context</p> <p><b>PID-706:</b> A Context-Aware Reinforcement Learning-Based Framework for Adaptive Task Orchestration and Behavioral Modeling in Mobile Applications</p>	
<p style="text-align: center;"><b>Invited Talk &amp; Technical Session –D2C9 (Offline)</b></p> <p><b>Session Title:</b> AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-11  <b>Date:</b> May 08, 2026 <b>Time:</b> 8:30 am to 10:30 am BST (GMT + 6:00 hours)  <b>Venue:</b> Room No 603 (5th Floor)</p> <p><b>Invited Talk: Reserved Speaker: Md. Sabir Hossain, CUET Title: Augmented and Virtual Reality in Education from Research Insights to Real World Impact and Future Directions</b></p> <p><b>PID-064:</b> Decoding Depression: An Explainable PyTorch-PySpark Framework Using Ensemble and Deep Learning Models</p> <p><b>PID-250:</b> Evaluating ML Model Reliability in Medical Diagnosis with Data Splits and Noise</p> <p><b>PID-299:</b> Predicting Drug–Drug Interactions Using Large Language Models in a Zero-Shot Approach</p> <p><b>PID-430:</b> Explainable Machine Learning Framework for Symptom-Based Disease Prediction with Robustness Analysis</p> <p><b>PID-693:</b> Personalisation-Driven Stress Classification from Wearable IoT Physiological Signals: A Comparative Machine Learning Study</p>	<p><b>Volunteers:</b></p> <p>11. Imran, CSE 01920053800  12. Ranjit, CSE 01707991928</p>
<p><b>Refreshment</b></p> <p><b>Date:</b> May 8, 2026, <b>Time:</b> 10:30 am to 10:45 am BST (GMT + 6:00 hours)  <b>Venue:</b> 502 (4<sup>th</sup> Floor), New Building</p>	
<p style="text-align: center;"><b>Technical Session –D2E1 (Offline)</b></p> <p><b>Session Title:</b> AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-08  <b>Date:</b> May 08, 2026 <b>Time:</b> 10:45 am to 12:45 pm BST (GMT + 6:00 hours)  <b>Venue:</b> Lab-1 (4<sup>th</sup> Floor), New Building</p>	<p><b>Volunteers:</b></p> <p>1. Rakib ,CSE 01980024190  2. Ridoy, CSE 01907607838</p>

<p><b>PID-083:</b> A Controlled Study of Mask Guidance and Knowledge Distillation for Lightweight Breast Ultrasound Classification</p> <p><b>PID-157:</b> Automated Paratuberculosis Diagnosis Using Pyramid Vision Transformer and Metaheuristic-Optimized Random Forest</p> <p><b>PID-239:</b> A Machine Learning Based Approach for Breast Cancer Detection Using Diagnostic Data</p> <p><b>PID-335:</b> DS-SCLS: A Deep Learning-Based Dual-Stage Framework for Stroke Classification and Lesion Segmentation with Region Estimation Using CT Images</p> <p><b>PID-432:</b> Enhancing Brain Tumor Diagnosis with Deep Convolutional Networks: A Comprehensive Comparison and Explainable AI Insights on Multimodal Data</p> <p><b>PID-455:</b> A Deep Learning-Based Brain Tumor Segmentation and Area Quantification using Multimodal Images</p> <p><b>PID-493:</b> Transfer Learning-Based Brain Tumor MRI Classification Using VGG16 with Batch Normalization: Comparative Analysis and Adversarial Robustness Evaluation</p> <p><b>PID-523:</b> Metaheuristic Driven Feature Selection for Machine Learning Based Glioma Grading: An Empirical Study</p> <p><b>PID-703:</b> Limitations of fNIRS for Individual Finger Movement Decoding: A Systematic Evaluation on a 25-Subject Motor Cortex Dataset</p>	
<p style="text-align: center;"><b>Technical Session –D2E2 (Offline)</b></p> <p><b>Session Title: Cybersecurity, Privacy, Trustworthy AI and Digital Safety-04</b></p> <p><b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b></p> <p><b>Venue: Lab-3 (4<sup>th</sup> Floor), New Building</b></p> <p><b>PID-399:</b> Risk-Aware Prompt Injection Detection via Safe Abstraction and Generative Augmentation</p> <p><b>PID-403:</b> BANGLABULLY : Label-Aware Cross-Attention for Multilabel Cyberbullying Detection in Bangla with Interpretability</p> <p><b>PID-447:</b> Secure Mental Health Prediction with Fully Homomorphic Encryption</p> <p><b>PID-607:</b> A Deep Learning Pipeline for Universal Help Sign Detection Under ATM Coercion</p> <p><b>PID-671:</b> A Multimodal Artificial Intelligence Framework for Cyberbullying Detection and Structured Digital Evidence Management</p> <p><b>PID-678:</b> VisioLock: Cross-Media Secure Image Transmission via Audio-Domain Encoding and Device-Bound Cryptography</p> <p><b>PID-685:</b> A Comparative Analysis of Traditional and Ensemble Machine Learning Models for Phishing Email Detection with Explainable AI</p> <p><b>PID-704:</b> SafeLink+: A Zero-Trust Mobile Link Execution Framework for Protecting Users from Malicious URLs</p>	<p><b>Volunteers:</b></p> <p>3. Sumon, CSE 01632315586</p> <p>4. Siyam, CSE 01950797397</p>
<p style="text-align: center;"><b>Technical Session –D2E3 (Offline)</b></p> <p><b>Session Title: Smart IoT, Autonomous Transportation, Edge Systems and Industrial Automation-05</b></p>	<p><b>Volunteers:</b></p> <p>5. Turjo, CSE 01717059047</p>

<p><b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Lab-4 (4<sup>th</sup> Floor), New Building</b>  <b>PID-192:</b> Dual-Stage Semantic Calibration: A Safety-First Framework for Visual Question Answering in Assistive Technologies  <b>PID-252:</b> AGPF-YOLO: Attentive Gated P3-P4 fusion for enhanced YoloV8 Segmentation  <b>PID-266:</b> A Calibrated Mission-Gated Expert Architecture for Exoplanet Detection across Heterogeneous Datasets  <b>PID-410:</b> A Leakage-Free and At-Risk-Focused Machine Learning Framework for Student Performance Prediction  <b>PID-479:</b> SoftSense-HFS: An Explainable Hybrid Ensemble Soft Sensor with Hybrid Feature Selection for SCADA Time-Series Phosphate Estimation  <b>PID-517:</b> Forecasting Prepaid Electricity Refill Behavior: A Weather-Augmented Multi-Output Temporal Modeling Approach  <b>PID-616:</b> PCB-LENSE: End-to-End PCB IC Marking Recognition and Datasheet-Link Generation  <b>PID-660:</b> UX Maturity in Bangladeshi Digital Firms: A Multi-Case Assessment and Roadmap</p>	<p>6. Yousuf,CSE 01629263618</p>
<p style="text-align: center;"><b>Technical Session –D2E4 (Offline)</b></p> <p><b>Session Title: AgriTech, Environmental Intelligence, Food Computing and Sustainable Vision Analytics-02</b>  <b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 505 (4<sup>th</sup> Floor)</b>  <b>PID-267:</b> MSLeafNet: Multi-Classes Classification with Transfer Learning of Imbalanced Malabar Spinach Leaf Diseases  <b>PID-281:</b> DViT: An Explainable DenseNet–ViT Fusion Architecture for Robust Field-Based Guava Leaf Disease Detection  <b>PID-289:</b> NXA-StackNet: An Explainable Stacked CNN Ensemble with Grad-CAM interpretability for Precision-Driven Litchi Leaf Disease Classification  <b>PID-357:</b> MADE-Pest: An Explainable Multi-Scale Knowledge-Distilled Network for Crop Pest Detection and Density Estimation  <b>PID-618:</b> Comparative Study of Regression Models and Ensemble Stacking with SHAP-Based Explainability for Crop Yield Prediction  <b>PID-621:</b> Is CNN Dead? A Comprehensive Empirical Analysis of Convolutional Neural Networks, Ensemble Methods, and Vision Transformers for Rice Leaf Disease Classification in Low-Resource Agricultural Settings  <b>PID-679:</b> A Transfer Learning Framework for Banana Leaf Disease Classification: A Controlled Comparison of CNN Architectures</p>	<p><b>Volunteers:</b>  9. Ashraful, CSE 01889262042  10. Komol, CSE 01755777487</p>
<p style="text-align: center;"><b>Technical Session –D2E5 (Offline)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-09</b></p>	<p><b>Volunteers:</b></p>

<p><b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 603 (5<sup>th</sup> Floor)</b>  <b>PID-063:</b> A Hybrid Deep Learning Framework for Diabetic Retinopathy Detection Using Retinal Fundus Images  <b>PID-171:</b> Melanoma and Nevus Classification in Digital Images towards Enhanced Skin Cancer Diagnosis  <b>PID-228:</b> A Lightweight Explainable CNN for Multi-Class Classification of Papilledema and Pseudopapilledema  <b>PID-296:</b> Predicting Breast Cancer Progression Stages Through Integrative Machine Learning and Explainable AI Approaches  <b>PID-343:</b> TriFusionNet: A Hybrid Deep Learning Framework with Attention-Based Fusion for Melanoma Skin Cancer Classification  <b>PID-434:</b> Explainable Hybrid Ensemble for Breast Cancer Malignancy Prediction Using Clinically-Motivated Feature Engineering and Nested Cross-Validation  <b>PID-584:</b> An Enhanced YOLOv11 Framework for Automatic Pneumonia Detection  <b>PID-614:</b> Automated Dermoscopic Skin Lesion Segmentation Using Traditional Image Processing and Attention-Based U-Net Refinement</p>	<p>7. Mehedi, CSE 01868922164  8. Rashed, CSE 01646516884</p>
<p style="text-align: center;"><b>Invited Talk &amp; Technical Session –D2E6(Offline)</b>  <b>Session Title: Renewable Energy, EV Power Systems, Photonics, Semiconductor Devices and Communications Hardware-05</b>  <b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 402 (3<sup>rd</sup> Floor)</b></p> <p><b>Invited Talk: Reserved Speaker: Dr. Banani Roy, University of Saskatchewan, Canada</b>  <b>PID-210:</b> TRCE model to predict temperature response based on consumed energy using machine learning approach  <b>PID-372:</b> DESIGN AND OPTIMIZATION OF POWER, AREA, AND DELAY FOR A GRAY CODE GENERATOR IN CADENCE USING 90 NM CMOS TECHNOLOGY  <b>PID-550:</b> Comparative Performance Analysis of Si and SiC MOSFETs Using HfO2 High-k Gate Dielectric and Different Metal Work Functions in Different Oxide Thickness  <b>PID-698:</b> Performance Comparison Numerical Simulation of Lead-Based versus Lead-Free Perovskite Absorbers in Planar Perovskite Solar Cells Using COMSOL  <b>PID-705:</b> Simulation-Based Numerical Analysis of Perovskite Layer Thickness Tuning in a 3D Perovskite Photovoltaic Devices Using COMSOL Multiphysics</p>	<p><b>Volunteers:</b>  19. Kawsar, EEE 01914407473  20. Shoton, EEE 01786118570</p>
<p style="text-align: center;"><b>Technical Session –D2E7 (Offline)</b>  <b>Session Title: AgriTech, Environmental Intelligence, Food Computing and Sustainable Vision Analytics-03</b></p>	<p><b>Volunteers:</b>  11. Imran, CSE 01920053800</p>

<p><b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 603 (5<sup>th</sup> Floor)</b>  <b>PID-026:</b> Industry 5.0–Driven Deep Learning Framework for Long-Term Global CO2 Emission Forecasting  <b>PID-371:</b> A Cross-Stream Feature Fusion Framework for Automated Waste Sorting with Explainable AI and Robustness under Illumination Variations  <b>PID-411:</b> Environmental Drivers of Lumpy Skin Disease: An Interpretable Ensemble Machine Learning Framework for Climatic Risk Assessment  <b>PID-413:</b> TrustLeaf-DS: A Trustworthy Hallucination-Resistant Novel Multimodal Model for Tomato Leaf Disease Diagnosis and Decision Support  <b>PID-632:</b> Leakage-Aware Evaluation of Deep, Handcrafted, and Hybrid Features for Fish-Eye Freshness Classification on the FFE Dataset  <b>PID-661:</b> Empirical Validation of Irrigation Water Quality Index Weights Using Explainable Machine Learning  <b>PID-676:</b> A Multi-Scale Attention-Based Deep Learning Framework for Environmental Anomaly Detection and Predictive Forecasting</p>	<p>12. Ranjit, CSE 01707991928</p>
<p style="text-align: center;"><b>Technical Session –D2E8 (Offline)</b></p> <p><b>Session Title: AI-Driven Healthcare, Biomedical Imaging and Clinical Decision Support-10</b>  <b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 403 (3<sup>rd</sup> Floor)</b></p> <p><b>PID-230:</b> Biomedical LLM Hallucination Detection via Classifier-Conditioned Factuality Classification  <b>PID-246:</b> Interpretable Hybrid Feature-Fusion for Five-Class Chest X-Ray Classification across Heterogeneous Public Datasets  <b>PID-354:</b> Exploring the Future of Retinal OCT Imaging: A Deep Dive into Machine Learning and Deep Learning Approaches  <b>PID-424:</b> HybridCNN: An Attention-Enhanced Explainable Deep Learning approach for Multi-Class Lung Disease Classification from Chest X-Ray Images  <b>PID-505:</b> An Explainable Machine Learning Framework for Mental Stress Detection Using Demographic, Behavioral, and Psychological Features with PSS-14 Scores  <b>PID-683:</b> Deep Learning-Based Early Detection of Suicidal Ideation from Textual Data  <b>PID-564:</b> HybridMV-FL: A Privacy-Preserving Multi-View Transformer with Anatomy-Specific Learning for Musculoskeletal Abnormality Detection  <b>PID-707:</b> An Integrated AI-Driven Framework for Safe Medication Management Using Computer Vision, IoT, and Secure Data Sharing</p>	<p><b>Volunteers:</b>  17. Showrav, EEE 01771169015  18. Tanvir, EEE 01617561378</p>
<p style="text-align: center;"><b>Technical Session –D2E9 (Offline)</b></p>	

<p><b>Session Title: Renewable Energy, EV Power Systems, Photonics, Semiconductor Devices and Communications Hardware-04</b>  <b>Date: May 08, 2026 Time: 10:45 am to 12:45 pm BST (GMT + 6:00 hours)</b>  <b>Venue: Room No: 404 (3<sup>rd</sup> Floor)</b></p> <p><b>PID-076:</b> Numerical Investigation of a Gold-Coated PCF-SPR Biosensor for Label-Free Dengue Diagnosis  <b>PID-131:</b> Design Optimization of a Ferrite Core Transformer for DC-DC Converter in EV Battery Fast Charging  <b>PID-254:</b> Oscillation-Free Improved Single-Phase Step-Down Cycloconverter Architecture for Speed Control of the Induction Motor Drive  <b>PID-364:</b> As<sub>2</sub>Se<sub>3</sub> Photonic Crystal Fibers Design with Semi-Circular Air-Hole Geometries for Mid-Infrared Supercontinuum Generation: A Comparative Study  <b>PID-390:</b> Dispersion-Engineered Si<sub>3</sub>N<sub>4</sub> PCF for Efficient Near- and Mid Infrared Supercontinuum Generation  <b>PID-539:</b> A Wideband 8-Element Planar MIMO Antenna with Parasitic Elements for C-Band Satellite Applications  <b>PID-672:</b> Overload-Aware Coordinated EV Charging and Selective V2G for Residential Load Optimization  <b>PID-674:</b> A Wideband Isolator-based, Novel-shaped 8-element MIMO Antenna for V2X Communication</p>	<p><b>Volunteers:</b>  15. Rafsan, EEE 01302129300  16. Shakawat, EEE 01626225557</p>
<p style="text-align: center;"><b>Prayer and Lunch Break</b>  <b>Date: May 8, 2026, Time: 12:45 pm to 2:15 pm BST (GMT + 6:00 hours)</b></p>	
<p style="text-align: center;"><b>ECCT 2026 Steering Committee Meeting</b>  <b>Date: May 8, 2026, Time: 4:30 pm to 5:10 pm BST (GMT + 6:00 hours)</b>  <b>Venue: STC</b></p>	
<p style="text-align: center;"><b>Closing and Award Giving Ceremony</b>  <b>Date: May 8, 2026, Time: 5:10 pm to 6:10 pm BST (GMT + 6:00 hours)</b>  <b>Venue: STC</b></p>	
<p style="text-align: center;"><b>Conference Dinner</b>  <b>Date: May 8, 2026, Time: 7:00 pm to 9:00 pm BST (GMT + 6:00 hours)</b>  <b>Venue: DIU Food Garden (old campus)</b></p>	

End of Day 2

## Program Schedule

All Times in BST (GMT + 6:00 hrs)

**Day-3: May 9, 2026 (Saturday)**

**Venue: Will be announced soon**

**Conference Tour**

**Date:** May 9, 2026, **Time:** 10:00 am to 2:00 pm BST (GMT + 6:00 hours)

Need additional registration

**End of ECCT 2026**

**Note:** 2<sup>nd</sup> International Conference on Electrical, Computer and Communication Technologies (ECCT 2028) will be held on May 7-9, 2028, Inn Sha Allah. Venue and other details will be available at the conference website <https://confecct.com/> in due course.