Conference Program (Online)

Program Highlights (Online)					
Day 1: 23 October, 2025 (Thursday)					
9:00 AM – 10:30 AM	On	line Technical Session	VA		
	D1VA1	D1VA2	D1VA3		
	18, 59, 70, 91, 96,	45, 51, 120, 211,	77, 121, 167, 173,		
	104, 125, 281,430	230, 355, 410, 450	176, 195, 209, 213		
		578, 646	214,552		
10:30 AM – 12:00 PM	On	line Technical Session	VB		
	D1VB1	D1VB2	D1VB3		
	136, 161, 165 190,	216, 240, 304, 305	356, 478, 545 549,		
	223, 224, 261 293,	309, 328, 339 686,	562, 575, 604 762,		
	310	714	810, 849		
		line Technical Session			
	D1VC1	D1VC2	D1VC3		
02:30 PM – 04:00 PM	131, 300, 402, 452,	127, 166, 286, 414,	94, 251, 368, 457,		
	473, 487, 495, 504,	512, 547, 586, 709,	486, 515, 816, 817,		
	527, 536	797, 812	827		
	End of	Day 1			
	Day 2: 24 Octobe	er. 2025 (Friday)			
			V 7.A		
09:00 AM – 10:30 AM		line Technical Session			
	D2VA1	D2VA2	D2VA3		
	196, 635, 639, 657,	144, 146, 182, 210, 260, 520, 607, 668,	14, 97, 162, 516, 526, 703, 708, 468, 710,		
	671, 673, 674, 691, 700, 819	795, 838	703, 708, 408, 710,		
10:30 AM – 12:00 PM	·	lline Technical Session			
10.30 / 11/1 - 12.00 1 1/1	D2VB1	D2VB2	D2VB3		
	531, 532, 638, 722,	114, 637, 641, 729,	22, 86, 325, 567, 587,		
	725, 731, 749, 750,	746, 747, 794, 829,	609, 626, 712, 766,		
	765, 784, 796, 804	851, 884	813, 815		
End of Day 2					

Conference Program (Online)

Day 1 (Online) 23 October, 2025 (Thursday)

D1VA1

Session Title: Artificial Intelligence and Machine Learning

9:00 AM – 10:30 AM Zoom Meeting ID: 936 4733 2012

Zoom Meeting Link: https://bdren.zoom.us/j/93647332012

Session Chairs:

1. Tarek Hasan Al Mahmud, ICT, IU

2. Dr. Abu Layek, CSE, JnU

SL	Paper	Title
J SL	ID	Title
1	18	Smart and Power-Efficient Human Activity Recognition: A Deep Learning Approach
		for Low-Power Devices
2	59	Calorie Estimation using Ensemble Technique from Recipes of Bangladeshi Foods
3	70	Fault Diagnosis of Electrical Motors from Multivariate Time-Series Data Using Hybrid
		Models
4	91	FusionNet+: A Multi-Modal Deep Ensemble Architecture for Predicting Natural
		Disaster Severity and Economic Loss
5	96	Forecasting Crime Trends in Bangladesh Through a Pre and Post 2024 Political Shift
		Analysis Using Machine Learning
6	104	Implementation of a ROS 2 Framework for Mobile Robot Localization and Navigation
		Using AMCL and Nav2
7	125	MB-CNN-LSTM-ATTN: An Optimized Deep Learning Model for Sleep Disorder
		Classification
8	281	Households Electricity Load Forecasting using Deep Learning Techniques: An Efficacy
		Analysis of Attention Mechanism for Hourly Forecasting
9	430	Dengue Prediction Using Google Search Trends: An Ensemble Machine Learning
		Approach

Conference Program (Online)

D1VA2

Session Title: Internet of Things (IoT) and Data Analytics

9:00 AM – 10:30 AM Zoom Meeting ID: 98844425436

Zoom Meeting Link: https://bdren.zoom.us/j/98844425436

Session Chairs:

1. Dr. Mohammad Abul Kashem, CSE, DUET

2. Dr. Sk. Shariful Alam, ECE, KUET

SL	Domon	Title
SL	Paper	Title
	ID	
1	45	An IoT Based Smart Hybrid Firefighting Robot with 360° Visual Intelligence for
		Industrial Safety Applications
2	51	Mental Health Risk Assessment in University Students: Integrating IoT Environmental
		Data with Hybrid Machine Learning
3	120	Design and Implementation of an IoT-based Smart Energy-Harvesting Badminton
		Court Using Piezoelectric and Solar System
4	211	Adaptive Trojan Detection in IoT Cyber-Physical Systems Using PUF-Based Security
		Architecture
5	230	AI-Driven Biotelemetry: Enhancing IoT-Based Human Area Networking with
		RedTacton for Smart Healthcare Using Nordic nRF7002 (paired with nRF5340)
6	355	LineCourier: A Semi-Autonomous Mobile Robot for Indoor Logistics
7	410	Cybersecurity Threats Prevention through PUF Based Dynamic Logic Morphing on IoT
		Edge Devices
8	450	Design and Analysis of a GSM and GPS-Based Smart Stick for Visually Challenged
		Persons with Real-Time Location Sharing and Obstacle Detection
9	578	Lightweight ML-Based Air Quality Prediction for IoT and Embedded Applications
10	646	Stress Prediction Among University Students Using Swarm Intelligence and
		Explainable AI

Conference Program (Online)

D1VA3

Session Title: Image and Signal Processing

9:00 AM - 10:30 AM

Zoom Meeting ID: 949 7999 6209

Zoom Meeting Link: https://bdren.zoom.us/j/94979996209

Session Chairs:

1. Dr. Md. Habibur Rahman, CSE, IU

SL Paper Title	
1 77 Graph-Augmented YOLO: A Hybrid Pipeline for Robust Brain Tumor	Localization
and Classification in MRI Scans	
2 121 Hybrid Vision Transformer and ResNet18 Framework for Multiclass Ki	idney Disease
Detection from CT Scans	
3 167 A Dual Attention Mechanism-Based Enhanced Residual Network for	Skin Cancer
Detection	
4 173 Satellite Image detection and classification by Convolutional Neural Net	work: A deep
learning Approach	
5 176 A Hybrid Attention-Based ST-CNN and Penman-Monteith Framewo	ork for High-
Resolution Soil Moisture Recharge Prediction Using Satellite Driven D	ata
6 195 NeuroSmear: An Explainable Deep Learning Technique for Mal	laria Parasite
Detection from Blood Smear Images	
7 209 A Hybrid CNN-Transformer Knowledge Transfer Technique for Ligh	ntweight Skin
Lesion Classification using Dermoscopic Image	
8 213 A Robust Deep Learning Approach for Cardiovascular Disease De	etection from
Enhanced Paper-Based ECG Signals	
9 214 Interpretable Semantic Image Segmentation Using U-Net and Visual D	iagnostics
10 552 Explainable AI-Driven Tree-Selection Stacking Random Forest with H	ybrid Feature
Synthesis for Lung Cancer Survival Time Prediction	

Conference Program (Online)

D1VB1

Session Title: Artificial Intelligence and Machine Learning

10:30 AM – 12:00 PM Zoom Meeting ID: 936 4733 2012

Zoom Meeting Link: https://bdren.zoom.us/j/93647332012

Session Chairs:

1. Dr. Muhibul Haque Bhuyan, EEE, AIUB

2. Dr. Md. Imran Hossain, ICE, PUST

SL	Paper	Title
	ID	
1	136	Comparative Performance Analysis of Supervised Models for Network Anomaly
		Detection
2	161	Strategic HR Management for Employee Retention: A Machine Learning Approach
		Using ANN
3	165	AI-Generated Content and Its Influence on Consumer Trust and Purchase Behaviour:
		Evidence from Bangladesh's E-Commerce Industry
4	190	SmartCluster Decision Model (SCDM) A Hybrid Approach for Insider Threat
		Detection Using Clustering and Decision Trees with Iterative Feedback
5	223	XiMNet: A Lightweight Ensemble Framework for Detection of Harmful and
		Beneficial Insects
6	224	Examining the Determinants of Generative AI Utilization for SEO and Content
		Marketing: A TOE Approach in the Bangladeshi Digital Space
7	261	RXK-VEM: A Novel Probabilistically Calibrated Hybrid Ensemble Model for
		Predicting Student Dropout in Higher Education
8	293	Exploring the Foundations of Academic Excellence: Advanced Data-Driven
		Approaches to Student Outcome Prediction
9	310	TinySenseNet: A Lightweight sEMG-IMU Fusion Network Using TinyML for
		Mechanical Arm Control in Low-Resource Settings

Conference Program (Online)

D1VB2

Session Title: Image and Signal Processing

10:30 AM – 12:00 PM Zoom Meeting ID: 98844425436

Zoom Meeting Link: https://bdren.zoom.us/j/98844425436

Session Chairs:

1. Dr. Tanjim Mahmud, CSE, RSTU

2. Dr. Sajeeb Saha, CSE, JnU

SL	Paper	Title
	ID	
1	216	Real-Time Brain Tumor Localization and Classification Using YOLOv11 and MONAI
		MedNeXt
2	240	Chest X-ray Analysis for Pneumonia and Tuberculosis Detection using CNNs and
		Vision Transformers with Explainable AI
3	304	BDaquaFish: A Comparative Study of YOLO11 and RT-DETR for Real-Time
		Detection of Bangladeshi Fish Species
4	305	A Deep Learning Based Framework for Health Condition Detection in Budgerigars
		Using CNN
5	309	Multi-Track Audio Fusion for Emotion Recognition Using Machine and Deep Learning
		Techniques
6	328	LLM-Guided Multimodal Scene Captioning via Prompt-Based Fusion of Visual and
		Auditory Descriptions
7	339	High-Resolution Representation Learning with Customized Skeletons and Grad-CAM
		for Interpretable Human Pose Estimation
8	686	Deep Learning Based Potato Leaf Diseases Detection in Uncontrolled Agricultural
		Environment
9	714	SegMorphFormer: A Hybrid Transformer-Attention Model for Volumetric Brain
		Tumor Segmentation

Conference Program (Online)

D1VB3

Session Title: Image and Signal Processing

9:00 AM – 10:30 AM

Zoom Meeting ID: 949 7999 6209

Zoom Meeting Link: https://bdren.zoom.us/j/94979996209

Session Chairs:

1. Dr. Anupam Kumar Boiragi, CSE, KU

2. Dr. Nasrin Sultana, ECE, HSTU

	2. Di. i tasimi butana, ECE, 11510		
SL	Paper ID	Title	
1	356	Attention-Guided Neural Networks for Explainable Retinal Disease Detection in	
		OCT Images	
2	478	NightLPBD: A YOLO-Based Single-Stage Framework for Nighttime License Plate	
		Recognition	
3	545	ViT-CBAM: An attention-based deep learning approach for Thoracic disease	
		classification	
4	549	Traffic Management using YOLO for Vehicle Fitness and License Plate Detection	
		with Automated Alert System	
5	562	Advanced Traffic Optimization and Automated Toll Collection System using	
		Automated Number Plate Recognition and Modified YOLO Algorithm	
6	575	Lip Landmark Aided Bengali Visual Speech Recognition leveraging Xception and	
		Multi-GRU Architecture	
7	604	CarambolaCam A Hybrid Graph-Based Deep Learning Framework Using GCN and	
		GAT for Carambola Leaf and Fruit Disease Classification	
8	762	CBAM integrated attention driven model for betel leaf diseases classification with	
		Explainable AI	
9	849	Automatic Modulation Recognition in OTFS Systems Using Optimized SE-CNN	
		Architecture	
10	810	Edge-Optimized Knowledge Distillation Framework for Real-Time Carp Fish	
		Freshness Detection	

Conference Program (Online)

D1VC1

Session Title: Artificial Intelligence and Machine Learning

02:30 PM – 04:00 PM Zoom Meeting ID: 936 4733 2012

Zoom Meeting Link: https://bdren.zoom.us/j/93647332012

Session Chairs:

1. Dr. Sk Md Masudul Ahsan, CSE, KUET

2. Dr. Md Alamgir Hossain, ICT, IU

SL	Paper ID	Title
1	300	CapsNet-Transformer Based Model for Violent Content Detection
2	402	XAI-TransNet: Blood Cell Identification Using Deep Transfer Learning and
		Explainable AI Techniques
3	131	SeANet: Sentiment Analysis in Social Media Comments on Bengali Mega Project
		using Transformer Learning
4	452	ACoD: Detecting Abusive Comments from Transliterated Bengali Text Using
		Deep Learning Techniques
5	473	RoBERTaConvNet: A Retrieval-Augmented Deep Learning Framework for
		Intelligent Drug Efficacy Prediction
6	487	Multi-Modal Deep Learning for Stock Market Direction Prediction Using Time-
		Series Data
7	495	Improving Colorectal Cancer Detection: Leveraging EfficientNet-B0 and
		Explainable AI for High-Accuracy Classification
8	504	Predictive Analytics for Human Resource Management: A Hybrid AI Model for
		Talent Acquisition and Retention
9	527	SMOTE-Enhanced Ensemble Learning for Hepatitis C Risk Stratification with
		Feature Importance Analysis
10	536	Comparative Forecasting of Sustainable and Green Energy Demand Across
		Bangladesh's Divisions Using Classical and Deep Learning Models

Conference Program (Online)

D1VC2

Session Title: Algorithms and Computation

02:30 PM – 04:00 PM Zoom Meeting ID: 98844425436

Zoom Meeting Link: https://bdren.zoom.us/j/98844425436

Session Chairs:

1. Dr. Momtaz Begum, CSE, DUET

2. Dr. Md. Shohidul Islam, CSE, IU

SL	Paper ID	Title
SL 1	•	
l	127	Mathematical Design and Analysis of Energy Aware Consensus Algorithms in
		Smart Grid Edge Systems
2	286	Exploring Biomarkers and Pathways in Preeclampsia and Cardiovascular
		Diseases: A Bioinformatics and Machine Learning Approach
3	414	Molecular Docking and Dynamics of Neem (Azadirachta indica) Phytochemicals
		for Binding Affinity and Stability Evaluation
4	586	Integrating Machine Learning and Molecular Docking for EGFR Targeting in
		Lung Cancer: Predictive Models and Therapeutic Insights
5	709	A Nature-Inspired Electric Eel Optimization Strategy for PID Tuning in DC Motor
		Speed Stabilization
6	512	Artificial Intelligence for Fault Detection and Predictive Maintenance in Gas
		Turbine Operations
7	797	Toward Inclusive AI: Building a Bangla Chatbot Using GPT-Neo and Optimized
		BPE Tokenizer
8	547	A Bio-Optimized rule mining framework for finding frequent patterns of Myopia
		Risk Factors
9	812	A Blockchain-Based Framework to Process and Validate Educational Certificates:
	_	Bangladesh Perspective
10	166	Understanding User Adoption of Cybersecurity Practices through Awareness and
		Perception for Enhancing Network Security in Bangladesh

Conference Program (Online)

D1VC3

Session Title: Communications and Quantum Computing

02:30 PM – 04:00 PM Zoom Meeting ID: 949 7999 6209

Zoom Meeting Link: https://bdren.zoom.us/j/94979996209

Session Chairs:

1. Dr. Md. Imtiaz Hossain, CSE, Kyung Hee University

2. Dr. Jashim Uddin, ICT, IU

	Dirousi	iiii Oddii, iCi, iO
SL	Paper	Title
	ID	
1	486	Plain-Polarization Insensitive Epsilon-Negative Metamaterial Absorber for Wireless
		Communication Applications
2	251	Bandgap Engineering in WSeS Monolayers through Te Substitution: A DFT Study
3	368	Octa-Band Microstrip Antenna Covering L to Ku Bands for Next-Generation
		Wireless, Satellite, and Radar Applications
4	94	SignNet-Nano: Efficient Sign Language Recognition for Real-Time Edge
		Deployment
5	457	Simultaneous Detection of Urea and Creatinine Using a Dual-Channel PCF-SPR
		Biosensor for Enhanced CKD Diagnostics
6	515	Uniaxial Tensile Mechanical Behavior and Deformation Mechanisms of Pristine and
		Defective SiGe Nanosheet: Molecular dynamics Study
7	827	Design and Comparative Performance of Topas and Zeonex Hexagonal-Lattice
		Photonic Crystal Fibers for Terahertz Wave Guidance
8	816	Lip-Sync Analyzer for Deepfake Detection and Peeking Behind the Black Box with
		Explainable AI
9	817	A Lightweighted CNN-Based Framework for Real-Time Bengali Sign Language
		Recognition and Translation

Conference Program (Online)

Day 2: 24 October, 2025 (Friday)

D2VA1

Session Title: Artificial Intelligence and Machine Learning

9:00 AM – 10:30 AM Zoom Meeting ID: 936 4733 2012

Zoom Meeting Link: https://bdren.zoom.us/j/93647332012

Session Chairs:

1. Dr. Md. Milon Islam, CSE, KUET

2. Dr. Md. Humayun Kabir, EEE, IU

SL	Paper ID	Title	
1	196	A VHDL Approach to Map the Switches for LED on Xilinx Spartan-6 FPGA	
2	635	Advancing Brain Stroke Prediction Through Attention-Based Neural Architectures	
		for Temporal Data Analysis	
3	639	SecureGrid: A Robust Voting Ensemble Model for Non-Technical Loss (NTL)	
		Detection in Smart Meter Data	
4	657	CardioAI-Risk: An Interpretable and Fair Machine Learning Pipeline for	
		Personalized Cardiovascular Risk Stratification	
5	671	Enhancing Intrusion Detection in Cyber-Physical Systems: A Hybrid Graph Neural	
		Network and Explainable AI Approach for Classification	
6	673	Wellness Wizard: Predicting Diabetes Risk from Lifestyle Factors Using Explainable	
		Machine Learning Algorithms	
7	674	StackTrace-AI: Identifying Generative AI Text Origins using Ensemble Learning	
8	691	Cybersecurity and Privacy Threats in Social-Media: Extracting and Classifying	
		Leaked Personal Information Using Machine Learning	
9	700	Predicting Potential Drug Candidates Using Machine Learning Models And	
		Regression Analysis	
10	819	Real-Time Incremental Transformer with Continual Learning for Adaptive Phishing	
		Email Detection	

Conference Program (Online)

D2VA2

Session Title: Language and Speech Processing

10:30 AM – 12:00 PM Zoom Meeting ID: 98844425436

Zoom Meeting Link: https://bdren.zoom.us/j/98844425436

Session Chairs:

1. Dr. Monira Islam, EEE, KUET

	1. Bi. Homa idam, EEE, HoEi			
SL	Paper ID	Title		
1	146	A Dual-Mode LLM Framework for Medical and General Language Translation for		
		Breaking Barriers in Healthcare Communication		
2	182	Comparative Analysis of Seq2Seq Model to Transformation of Bangla Dialects to		
		Standard Bangla Language		
3	210	Emotion Detection in Speech Using Lightweight and Transformer-Based Models: A		
		Comparative and Ablation Study		
4	260	Real-Time Narrative Generation: A Framework for API-Driven Story		
		Summarization Using Pre-Trained Language Models		
5	520	Development And Enhancement Of Bengali Paraphrasing Model Using Domain		
		Specific Knowledge		
6	607	AI-Driven Insights into Hate Speech: Dataset Comparisons and Interpretability		
		Using SHAP and LIME		
7	668	Bangla Speech to IPA Transcription: A Multi-Stage Transformer-Based Approach		
8	795	Contextual Language Modeling for Bangla Using Word Embeddings		
9	838	DChakma: A Deep Learning Framework for Part-of-Speech Tagging in Chakma Language		
10	144	A Hybrid Approach towards Multi-Label Semi-Supervised Emotion Classification		

Conference Program (Online)

D2VA3

Session Title: Network and Security

9:00 AM - 10:30 AM

Zoom Meeting ID: 949 7999 6209

Zoom Meeting Link: https://bdren.zoom.us/j/94979996209

Session Chairs:

1. Dr. A. B. M. Aowlad Hossain, ECE, KUET

2. Dr. Al-Mahmud, CSE, KUET

SL	Paper ID	Title
1	14	Intrusion Detection System: An Optimization Based Deep Learning Approach Using
		NSL-KDD Dataset
2	97	Harnessing Blockchain and AI for Innovative Solutions in Land Administration in
		Bangladesh
3	162	Deepfake Detection in MIS: Leveraging DenseNet and Multi-Scale Information for
		Enhanced Digital Forensics
4	516	Intrusion Detection System (IDS) for Power System Control Networks Using
		Ensemble Learning
5	526	A Web-Based Blockchain Framework to Prevent Counterfeit Medicines via QR Code
		Verification
6	703	Enhancing Security in Multicasting Over Nakagami-0.5 Fading Channel with
		Selection Combining Schemes
7	708	Evaluating the Efficacy of Explainable Machine Learning Algorithms for the
		Detection and Classification of Network Intrusions
8	468	Forecasting Solar Irradiance in Southern Bangladesh using Transformer-Based Approaches
9	710	An Attention-Optimized Enhanced YOLOv11 Architecture for Real-Time Breast
		Cancer Detection
10	793	Cost-Effective High-Reliability IoT-Based Multi-Modal Patient Monitoring with
		Real-Time Clinical Alerts and Cloud Analytics

Conference Program (Online)

D2VB1

Session Title: Artificial Intelligence and Machine Learning

10:30 AM – 12:00 PM Zoom Meeting ID: 936 4733 2012

Zoom Meeting Link: https://bdren.zoom.us/j/93647332012

Session Chairs:

1. Dr. Md. Nazrul Islam, CSE, MIST

2. Dr. Sheikh Md. Rabiul Islam, ECE, KUET

-	2. Di. k	Sheikii Wid. Rabiui Islam, ECE, ROET
SL	Paper ID	Title
1	722	Assessing the Impact of Architectural Design in Deep Learning Models for Fundus-Based Ocular Disease Detection
2	725	Ensemble Deep Learning for Brain Tumor Classification Using MRI: A Comparative Study of CNN Architectures
3	731	ColoNetBlock: Attention Enhanced CNN for Colorectal Cancer Classification with Visual Explanation
4	532	Assessing and Mitigating Intersectional Bias: A Multi-Domain Study on Race and Gender
5	749	Crop Recommendation: A Technology-Driven Approach to Enhancing Agricultural Productivity
6	750	A FixMatch-Driven Semi-Supervised Learning Framework for Diabetic Foot Ulcer Detection
7	765	Explainable Fake News Detection: A Comparative Framework Using Classical, Deep, and Transformer Models
8	784	Explainable and Uncertainty-Aware CO2 Emissions Forecasting Using Quantile Gradient Boosting, SHAP, and Logistic Trend Classification
9	796	Rainfall Prediction Using Exploratory Data Analysis and Machine Learning
10	804	Non-Invasive Estimation of Erythrocyte Sedimentation Rate from PPG Signals Using Machine Learning
11	531	Transformer-Based Classification of Protein Secondary Structures Using ESM2 and BiLSTM
12	638	Enhancing Question Answering System using Ensemble Learning Approach

Conference Program (Online)

D2VB2

Session Title: Image and Signal Processing

10:30 AM – 12:00 PM Zoom Meeting ID: 98844425436

Zoom Meeting Link: https://bdren.zoom.us/j/98844425436

Session Chairs:

1. Dr. Md. Sipon Miah, ICT, IU

	1. Dr. Md. Sipon Mian, ic 1, 10				
SL	Paper	Title			
	ID				
1	637	Automated Plastic Waste Detection Using Advanced Deep Learning Frameworks			
2	641	Multiclass Skin Lesion Classification Using EfficientNetB4 and a Custom Feed-			
		Forward Neural Network			
3	729	Tea Leaves Under the Lens of AI: A Comparative Deep Learning Perspective			
4	746	A FixMatch-Based Semi-Supervised Learning Framework for Histopathology Image			
		Classification			
5	747	Self-Supervised Learning for Tomato Leaf Disease Classification: A Comparative			
		Study of SimCLR, MoCo, and BYOL			
6	829	Scalable RNN-Based Transfer Learning for Patient Sentiment Monitoring in Telehealth			
		Platforms			
7	851	ViT-SAGE: A Hybrid Vision Transformer based Architecture with Graph Neural			
		Network Fusion for Precise Kidney Disease Classification			
8	884	Down Syndrome Prediction from Facial Image Dataset using Explainable Deep			
		Learning			
9	794	Edge-to-Cloud Orchestrated Multi-Sensor IoT Framework for Real-Time WQI			
		Classification and Predictive Assessment via Ensemble ML			
10	114	Satellite-Based Air Quality Assessment over HSIA, Dhaka: Using Statistical and Deep			
		Learning Models			

Conference Program (Online)

D2VB3

Session Title: Internet of Things (IoT) and Data Analytics

10:30 AM – 12:00 PM Zoom Meeting ID: 949 7999 6209

Zoom Meeting Link: https://bdren.zoom.us/j/94979996209

Session Chairs:

1. Dr. Md. Shamim Hossain, CSE, IU

2. Dr. Sk. Imran Hossain, CSE, KUET

۷.	2. Dr. Sk. Imran Hossain, CSE, KUE1				
SL	Paper ID	Title			
1	587	Health Monitoring of Distribution Transformer Using DGA and Furan Analysis: A Diagnostic Approach for Predicting Insulation Aging			
2	609	An Internet-of-Disease (IoD) Based Real-Time ECG Monitoring Framework Using YOLOv11 for Smart Healthcare Applications			
3	712	Unsupervised Anomaly Detection for Smart IoT Devices: Performance and Resource Comparison			
4	766	An Optimized Decision Tree-Based Framework for Explainable IoT Anomaly Detection			
5	813	An AI-IoT Based Smart Wheelchair with Gesture-Controlled Mobility, Deep Learning-Based Obstacle Detection, Multi-Sensor Health Monitoring, and Emergency Alert System			
6	815	Design and Implementation of an IoT-Based Smart Grid-Connected Solar Power Station for Efficient Energy Management			
7	567	A Novel CNN-BiLSTM Model with MultiHead Attention for Efficient Intrusion Detection			
8	325	Explainable AI Based Multi-Class Pneumonia Classification and Anomaly Detection from Chest X-ray			
9	86	Plain-Polarization Insensitive Epsilon-Negative Metamaterial Absorber for Wireless Communication Applications			
10	626	An Empirically-Validated Vision-Based Reactive Control Framework for Low-Cost Robotic Ground Object Manipulator in Dynamic Environments			
11	22	Towards Developing an AI-Enhanced Blockchain-Based Real Estate Management System			