

Technical Program (DRAFT)

Day-1: 02 May 2024 (Thursday)

Keynote session 1 Day-1, Thursday, 02 May 2024 Time: 1100 - 1140	
Venue: MIST Auditorium, 2nd Floor, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Saifur Rahman Virginia Tech, USA	Role of ICT in Optimal Management of Smart Buildings, Smart Cities and Smart Grids

Keynote session 2 Day-1, Thursday, 02 May 2024 Time: 1145-1225	
Venue: MIST Auditorium, 2nd Floor, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Jih – Sheng (Jason) Lai Virginia Tech, USA	Electrification with High-Efficiency Power Conversion Technologies for Net Zero Emission

Keynote session 3 Day-1, Thursday, 02 May 2024 Time: 1145-1225	
Venue: R-902, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Rajkumar Buyya University of Melbourne, Australia	Neoteric Frontiers in Cloud, Edge, and Quantum Computing

WIE Session

Day-1, Thursday, 02 May 2024

Time: 1230-1255

Venue: MIST Auditorium, 2nd Floor, Tower – 3

Speaker	Topic
Prof. Dr. Celia Shahnaz 2023-2024 IEEE WIE Committee Chair	

Technical Session: Poster - I

Day-1, Thursday, 02 May 2024

Time: 1345-1550

Venue: Cafeteria, Tower – 4

SL	PID	SL	PID	SL	PID	SL	PID
1	7	11	123	21	327	31	600
2	23	12	127	22	329	32	635
3	83	13	129	23	390	33	190
4	93	14	150	24	422	34	322
5	96	15	170	25	440	35	558
6	107	16	171	26	474		
7	111	17	231	27	586		
8	117	18	256	28	588		
9	118	19	259	29	593		
10	122	20	326	30	597		

IEEE SB Co-located Event-I

Day-1, Thursday, 02 May 2024

Time: 1345-1550

Session Title: Innovation Contest for Smart Bangladesh

Venue: Room No: Cafeteria, Tower – 4

Technical Session-11A

Day-1, Thursday, 02 May 2024

Time: 1600 – 1730

Session Title: Artificial Intelligence-1

Venue: R-701, Tower – 3		
SL	PID	Title of the paper
1	21	Transforming Precision: A Comparative Analysis of Vision Transformers, CNNs, and Traditional ML for Knee Osteoarthritis Severity Diagnosis
2	24	DeepRegYLab: A Dilated Convolution and Network Design Space Based Image Segmentation Model to Segment Healthy GI Tract of Cancer Patients to Automate Radiotherapy
3	26	A Cutting-Edge Ensemble of Vision Transformer and ResNet101v2 Based Transfer Learning for the Precise Classification of Leukemia Sub-types from Peripheral Blood Smear Images
4	82	An Enhanced Feature-Based Hybrid Approach for Adversarial PDF Malware Detection
5	86	Profiling Fake News Spreader on Twitter Using Stochastic Gradient Descent
6	98	Generating Photorealistic Images from Human-Generated Sketches: A GAN-based Synthesis Approach for Enhanced Visual Realism
7	99	Multilingual Sentiment Analysis on Social Media: Harnessing Deep Learning for Enhanced Insights and Decision Support for Foreign Travelers

Technical Session- 11B Day-1, Thursday, 02 May 2024 Time: 1600 – 1730		
Session Title: Artificial Intelligence-2		
Venue: R-703, Tower – 3		
SL	PID	Title of the paper
1	147	Enhancing CNN Model by Incorporating Upscaling and Downscaling Techniques for Image Classification
2	148	A Study of Contrastive Learning Methods for Bengali Social Analysis
3	152	Predicting Depressive Behavior with Monitoring Activity Data Using Machine Learning and Feature Selection Approaches
4	161	Advancing Ophthalmology through Transfer Learning and Channel-wise Attention for Retinal Disease Classification
5	194	Bangla Sign Language Classification with Deep Learning
6	199	Towards Developing an Automatic Punctuation Prediction Model for Bangla Language: A Pre-trained Mono-lingual Transformer-based Approach
7	213	BSER: A Learning Framework for Bangla Speech Emotion Recognition

Technical Session- 11C Day-1, Thursday, 02 May 2024 Time: 1600 – 1730		
Session Title: Artificial Intelligence-3		

Venue: Room No: R-704, Tower – 3

SL	PID	Title of the paper
1	221	BengaliHateCB: A Hybrid Deep Learning model to Identify Bengali Hate Speech Detection from Online Platform
2	243	Disha: A Bilingual Humanoid Virtual Assistant
3	250	A Multi-cancer Detection and Localization System Utilizing X-AI and Ensemble Technique using CNN
4	251	Pruning-Based Ensemble Tree for Multi-Class Classification
5	252	DDoS-Net: Classifying DDoS Attacks in Wireless Sensor Networks with Hybrid Deep Learning
6	314	A Semi-Supervised Approach for Identifying Cyberbullying Text in Bangla Language
7	319	Enhancing the ability to recognise facial expressions in young children: A method using few-shot learning and cross-dataset validation

Technical Session- 11D

Day-1, Thursday, 02 May 2024

Time: 1600 – 1730

Session Title: Semiconductor Devices and Circuits - I

Venue: Room No: R-801, Tower – 3

SL	PID	Title of the paper
1	80	First-Principle Study on Structural and Crystal Orientation-dependent Electronic Properties of Cs ₂ InAg(Cl _{1-x} Br _x) ₆ Mixed Halide
2	87	Design and analysis of a novel triangular nano-plasmonic coupler with an enhanced coupling efficiency
3	138	Trefoil Shaped Hollow Core SPR Voltage Sensor Infiltrated with Liquid Crystal
4	160	Gas Detection analyzing the evolution of ultrashort pulses in a Hollow Core Photonic Crystal Fiber
5	216	A 2.319 uW, 37.34 MHz Transmission Gate Based 4-Bit ALU for Contemporary Low-powered, High Speed Microprocessors
6	276	A Comprehensive Investigation of GaSb/GaAs _{0.5} Sb _{0.5} /GaAs based Double Gate Source-Pocket Engineered Heterogeneous Gate Dielectric Vertical TFET for Optimized Low-Power Applications
7	399	Elevating Efficiency in Silicon Thin-Film Solar Cells: Exploring the Influence of Monomer and Dimer Plasmonic Nanoparticles

Technical Session- 11E

Day-1, Thursday, 02 May 2024

Time: 1600 – 1730

Session Title: Computer Network and Security

Venue: Room No: R-802, Tower – 3		
SL	PID	Title of the paper
1	257	A Blockchain and Machine Learning-Based Integrated Framework for Dynamic Customs Security Enhancement with a Focus on Smuggling
2	290	Intelligent Route Planning for Post-Earthquake Rescues using IoT
3	460	Enhancing DoS Detection in SmartGrid: Leveraging ML using PCA and Explainable AI
4	463	Enhanced DDoS Detection in Software Defined Networking Using Ensemble-Based Machine Learning
5	489	Balancing Security, Scalability and Decentralization of Blockchain using SHBF-Based Consensus
6	608	A Real-Time IoT Cryptograph Communication of Chaotic-ADPCM Coding Method for IoT Applications

Technical Session- 11F Day-1, Thursday, 02 May 2024 Time: 1600 – 1730		
Session Title: Biomedical Engineering		
Venue: Room No: R-803, Tower – 3		
SL	PID	Title of the paper
1	9	Enhancing E-Learning: EEG Signal Classification to Evaluate Students' Understanding of Online Lectures
2	20	Numerical Analysis on PCF-based SPR Sensors' Air-hole Attributed Performance to Blood Cancer Detection
3	31	Blood Hemoglobin and Urine Glucose Level Detection Using Copper-Graphene Based SPR Biosensor
4	596	Enhancing Hyperspectral Image Compression through Stacked Autoencoder Approach
5	174	A Transfer Learning Approach for Neurodegenerative Disease Classification from Brain MRI Images: Distinguishing Alzheimer's, Parkinson's, and Control Cases
6	184	A Comparative Analysis of Different Preprocessing Pipelines for EEG-based Mental Stress Detection
7	632	Hybrid model-based Brain Tumor Detection and Classification using Deep CNN-SVM

Day-2: 03 May 2024 (Friday)

Keynote session 4 Day-2, Friday, May 03, 2024 Time: 0800 - 0840

Venue: R-801, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Ming C. Lin University of Maryland, USA	Reconstructing Reality: Creating Digital Twins for the Metaverse

Keynote session 5 Day-2, Friday, May 03, 2024 Time: 0800 - 0840	
Venue: 802, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. José del R. Millán University of Texas at Austin, USA	Brain-Robot Interaction

Keynote session 6 Day-2, Friday, May 03, 2024 Time: 0800 - 0840	
Venue: 803, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Frede Blaabjerg Aalborg University, Denmark	Power electronics — the key technology for grid integration

Technical Session- 21A Day-2, Friday, May 03, 2024 Time: 0845 – 1015		
Session Title: Artificial Intelligence-4		
Venue: Room No: R-701, Tower – 3		
SL	PID	Title of the paper
1	321	An Effective Identification of Tuberculosis in Chest X-rays Using Convolutional Neural Network Model
2	330	Deep Learning for Detection of Mango Leaf Disease: A Comparative Study Using Convolutional Neural Networks Models

3	347	PyroVision: A Deep Learning Based Model for Wildfire Detection in Satellite Imagery
4	348	Revolutionizing Intensive Care: A Machine Learning Based Approach for ICU Patients' In-Hospital Mortality Prediction
5	353	Vehicle Number Plate Detection and Encryption in Digital Images Using YOLOv8 and Chaotic-Based Encryption Scheme
6	358	Advanced Natural Language Processing Techniques for Efficient Sentiment Analysis of US Airline Twitter Data: A High-Performance Framework for Extracting Insights from Tweets
7	359	MSSC: Multi-Class Skin Cancer Classification and Interpretable Deep Learning Systems

Technical Session- 21B

Day-2, Friday, May 03, 2024

Time: 0845 – 1015

Session Title: Artificial Intelligence - 5

Venue: R-703, Tower – 3

SL	PID	Title of the paper
1	364	A Federated Learning-based Model for the Detection of Lung Cancer from CT Scan Images
2	367	Enhancing Bangladeshi Plants Classification Using Transfer Learning and CNN-Based Architecture
3	375	Fracture Classification in Musculoskeletal Radiographs using Custom CNN and Ensemble Learning
4	379	Interpretability of Machine Learning Algorithms for News Category Classification Using XAI
5	382	HybStock: A Hybrid Deep Learning-Based Model to Predict Stock Market on Dhaka Stock Exchange
6	383	Analyzing Sentiment and Unveiling Geopolitical Perspectives: A Comprehensive Study of Reddit Comments on the Contemporary Israel-Palestine Conflict
7	384	Enhancing Pneumonia Detection: CNN Interpretability with LIME and SHAP

Technical Session- 21C

Day-2, Friday, May 03, 2024

Time: 0845 – 1015

Session Title: Power, Energy, and Climate Nexus

Venue: R-704, Tower – 3

SL	PID	Title of the paper
1	233	Microcontroller based Pack to Cell Active Cell Balancing for Battery Management System (BMS) using Dc-Dc Fly-Back Converter

2	275	Performance Analysis of Hexagonal Shaped Surface Plasmon Resonance Voltage Sensor
3	491	Highway of The Future: Floating Solar Charging Station Design for Chittagong's Kaptai Highway
4	153	Enhancing Solar System Efficiency Based on Precise Real-Time Energy Data Analysis and Sun Position Tracking
5	249	A Comparative Study of Economic Load Dispatch Problem using Computer Simulation Tool, Conventional and Evolutionary Algorithms
6	294	Droop Control Strategy in Decentralized DC/AC Inverter-based Smartgrid for Power Balance
7	427	A High-Efficiency Dye-Sensitized Solar Cell Using PCDTBT:PCBM as Solid Electrolyte and Graphene Oxide as Hole Transport Layer

Technical Session- 21D Day-2, Friday, May 03, 2024 Time: 0845 – 1015		
Session Title: Multimedia and Signal Processing		
Venue: R-801, Tower – 3		
SL	PID	Title of the paper
1	2	Segmentation of Bangla Compound Characters: Underlying Simple Character Detection from Handwritten Compound Characters using YOLOv8
2	88	Spectral-Spatial Feature Extraction for Multi-Change Detection in Bi-temporal Hyperspectral Images
3	110	Non-linear Statistical Filter Fusions for Optimal Intensity Fitting in Active Contour-Based Image Segmentation
4	144	A Deep Learning-Based Bengali Visual Question Answering System Using Contrastive Loss
5	177	Optical Mark Recognition with Object Detection and Clustering
6	292	EmotionNet: Pioneering Deep Learning Fusion for Real-Time Speech Emotion Recognition with Convolutional Neural Networks
7	338	A Gaussian-Extremum Image Pre-fitted Active Contour for Accurate and Faster Image Segmentation

Technical Session- 21E Day-2, Friday, May 03, 2024 Time: 0845 – 1015		
Session Title: Communication Technology-I		
Venue: R-802, Tower – 3		
SL	PID	Title of the paper

1	54	An Intelligent Approach to Spectrum Sharing Process for Coexistence between Cellular and Wi-Fi Technologies
2	69	TA-TDP: A Topology Aware Total Dominant Pruning Broadcast Protocol to Reduce Forwarding Stations in Wireless Ad-hoc Networks
3	97	Performance Analysis of Reconfigurable Intelligent Surface in Enhancing Security of Wireless Networks in the Presence of Multiple Eavesdroppers
4	368	Efficient Multiple Moving Object Detection and Tracking by Uniform Rectangular Array-based Radar System for Surveillance
5	408	Soliton Properties in Coupled Nonlinear System with Dispersive Reflectivity: Finite Element Analysis
6	409	Design & performance analysis of Graphene based Tera Hertz patch antenna for 6G applications
7	622	Enhanced Humidity Sensing with Nafion-based Chipless RFID Resonators

Technical Session- 21F

Day-2, Friday, May 03, 2024

Time: 0845 – 1015

Session Title: **Biomedical Signal Processing**

Venue: R-803, Tower – 3

SL	PID	Title of the paper
1	283	Optimizing Skin Lesion Segmentation with UNet and Attention-Guidance Utilizing Test Time Augmentation
2	466	EEG-based Mouse Cursor Control using Motor Imagery Brain-Computer Interface
3	526	From Pixels to Diagnosis: Convolutional Neural Networks in Tuberculosis Screening
4	567	SwinMedNet: Leveraging Swin Transformer for Robust Diabetic Retinopathy Classification from the RetinaMNIST2D Dataset
5	628	Classification of Gallbladder Cancer using Average Ensemble Learning
6	344	Towards Superior EEG-Based Emotion Recognition: Integrating CNN Outputs with Machine Learning Classifiers for Enhanced Performance
7	554	Bloodstain Classification in Forensic Analysis Using Optimized 3D CNN

Keynote session 7

Day-2, Friday, 03 May 2024

Time: 1030 – 1110

Venue: R-902, Tower – 3

Keynote Speaker	Keynote Topic
Dr. Mohamed Nurullah Kingston University, UK	The Impact of Artificial Intelligence (AI) on Economy and Society

Keynote session 8 Day-2, Friday, 03 May 2024 Time: 1030 – 1110	
Venue: R-903, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. Muhammad Ali Imran University of Glasgow, UK	Role of Communications in remote healthcare and overcoming digital divide

Technical Session- Poster- II Day-2, Friday, 03 May 2024 Time: 1115 – 1245							
Venue: Cafeteria, Tower – 4							
SL	PID	SL	PID	SL	PID	SL	PID
1	57	11	260	21	405	31	610
2	95	12	267	22	412	32	430
3	100	13	271	23	441	33	468
4	105	14	278	24	448	34	583
5	139	15	280	25	498		
6	165	16	356	26	519		
7	203	17	374	27	527		
8	215	18	389	28	546		
9	217	19	393	29	571		
10	253	20	396	30	589		

IEEE SB Co-located Event-II Day-2, Friday, 03 May 2024 Time: 1115 – 1245	
Session Title: 3-Min Thesis Competition	
Venue: Room No: Cafeteria, Tower – 4	

IEEE BDS Session Day-2, Friday, 03 May 2024 Time: 1115 – 1245
Venue: Cafeteria, Tower – 4

Keynote session 9 Day-2, Friday, 03 May 2024 Time: 1430 - 1510	
Venue: R-902, Tower – 3	
Keynote Speaker	Keynote Topic
Prof. Dr. B. M. Azizur Rahman City, University of London, UK	Photonics, A Key Enabling Technology and Its Role to Achieve the UN Sustainable Development Goals

Technical Session- 22A Day-2, Friday, May 03, 2024 Time: 1515 – 1645		
Session Title: Artificial Intelligence-6		
Venue: R-701, Tower – 3		
SL	PID	Title of the paper
1	386	Enhancing Deep Convolutional Neural Networks to Detect Pedestrians Effectively in Various Urban Environments
2	394	A Proposed Multilayer CNN Architecture for detecting Bangla Traffic Sign
3	395	A Multi-Model Approach for Classifying Sleep Disorders Utilizing Machine Learning and Deep Learning Techniques
4	397	Deep Transfer Learning Based Approaches for Classification of Chest CT Scans: Normal, COVID-19, and Pneumonia
5	413	Advancements in Breast Cancer Diagnosis: Integrating Classifier Algorithms, Neural Network and Ensemble Learning with PCA, VIF for Feature Selection and Dimensionality Reduction
6	423	Machine Learning Approaches to Estimate Requirements for Target Productivity of Garment Employees
7	428	Performance Analysis of Heart Disease Detection using Different Machine Learning Approaches

Technical Session- 22B

Day-2, Friday, May 03, 2024

Time: 1515 – 1645**Session Title: Artificial Intelligence-7****Venue:** R-703, Tower – 3

SL	PID	Title of the paper
1	445	BERT-Based Personalized Course Recommendation System from Online Learning Platform
2	447	Leveraging the Robust Capability of Modified Multi-Layer Gated Recurrent Units for Fake News Detection
3	456	A Comprehensive Evaluation of Sampling Techniques in Addressing Class Imbalance Across Diverse Datasets
4	462	Unveiling Predictive Factors in Apple Quality: Leveraging LIME, SHAP, and the Synergy of Machine Learning Models and Artificial Neural Networks
5	475	A Comparative Analysis of Statistical Machine Learning and Deep Learning for Identifying Cyber Trolls on Twitter Data
6	480	An IoT-based AI-integrated device for farmers: A recommendation system for crop cultivation
7	481	AI Data Analytics for Air Quality Modeling

Technical Session- 22C

Day-2, Friday, May 03, 2024

Time: 1515 – 1645**Session Title: Artificial Intelligence-6****Venue: Room No:** R-704, Tower – 3

SL	PID	Title of the paper
1	483	KULemma: Towards a Comprehensive Bangla Lemmatizer
2	495	CochleaTion : Speech Emotion Recognition through Cochleagram with CNN-GRU and Attention Mechanism
3	516	Parasitology Unveiled: Revolutionizing Microorganism Classification through Deep Learning
4	530	An Effective Way to Detect Phishing Websites with Machine Learning
5	539	Humor Detection using Machine Learning Approach
6	548	A Novel Transformer Based Deep Learning Approach of Sentiment Analysis for Movie Reviews
7	552	A Comprehensive Analysis of Multi-Modal Deep Transfer Learning for Rice Leaf Disease Detection

Technical Session- 22D

Day-2, Friday, May 03, 2024

Time: 1515 – 1645**Session Title: Machines and Power Electronics**

Venue: R-801, Tower – 3

SL	PID	Title of the paper
1	442	Design, analysis, and economic study of solar rooftop PV system on metro rail stations of Bangladesh
2	461	Enhancing Smart Grid Stability Prediction: A Comparative Analysis of Machine Learning Based Traditional and Ensemble Techniques
3	561	Navigating Solar Peaks: Simulation Study of Fuzzy Logic and Improved Perturb & Observe MPPT Techniques for Standalone PV Systems
4	566	Techno-economic Analysis of Solar PV-FC Hybrid Energy Systems: An Exploratory Perspective
5	625	Driving Sustainable Transportation and Energy Transition: Techno-economic Analysis of Fuel Cell Electric Vehicles and Residential Electrification for a Greener Bangladesh
6	626	An Improved Switching Control Technique of a Three-Phase Neutral Point Clamped Multilevel Converter in Reducing the Neutral Point Potential Swing
7	627	Investigating Techno-Economic Benefits of Integrating a Microgrid in IEEE 14 Bus Test Power System using Lagrangian Method

Technical Session- 22E

Day-2, Friday, May 03, 2024

Time: 1515 – 1645**Session Title: Semiconductor Devices and Circuits -II**

Venue: R-802, Tower – 3

SL	PID	Title of the paper
1	414	Performance Analysis of Low Young's Modulus Material-based Optical Fiber Pressure Sensor
2	424	A Comprehensive Analysis of a Low Noise Amplifier with -20.02 dB Return Loss and 58.34 dB Open-Loop Gain
3	528	An Area Efficient Low Current Mismatch Charge Pump with loop filter for PLL Application
4	620	Integration of a Novel Folded Cascode OTA with High-Performance Class AB Output Stage Featuring Enhanced Performance in 0.18 μm CMOS
5	630	An 87.25 dB Open-Loop Gain, 2.09 GHz Unity Gain Bandwidth 3-Stage Operational Amplifier Implemented Using 45nm Technology
6	595	Enhancing DAC Precision with INL and DNL Reduction via Memristor-Integrated Designs

Technical Session- 22F

Day-2, Friday, May 03, 2024

Time: 1515 – 1645**Session Title: Communication Technology-II****Venue:** R-803, Tower – 3

SL	PID	Title of the paper
1	61	Energy Efficient Bandwidth Aware Virtualized BBU Pool for 5G C-RAN
2	421	Design and Analysis of a mm Wave ‘W’ Shaped Patch Antenna with Dual-Band Characteristics
3	432	OTFS-Aided Waveform Design for MU-MIMO Joint Sensing and Communication Systems
4	464	A Perforated Dielectric Metasurface using 3-D Printing for Aperture Antenna Performance Improvement
5	496	Wavelet-Aided OTFS for Optical Wireless Communication
6	500	Secure Wireless Multicasting Using Generalized Receiver with MRC Diversity Technique
7	501	Enhancing Security in Multicasting Employing Generalized Receiver with SC Diversity and Opportunistic Relaying
8	549	Quantum Grover's Search for the Signal Detection of OFDMA Downlink and SC-FDMA Uplink

Technical Session- 23A

Day-2, Friday, May 03, 2024

Time: 1715 – 1830**Session Title: Artificial Intelligence-9****Venue:** R-701, Tower – 3

SL	PID	Title of the paper
1	555	Garbage Classification using a Transfer Learning with Parameter Tuning
2	560	Cataract Classification by Applying MobileNetV2 on Different Edge Detection Filters
3	570	Hybrid Feature Extraction Approach for Robust Brain Tumor Classification: HOG, GLCM, and Artificial Neural Network
4	573	Bangladeshi Crop Disease Detection Using Convolutional Neural Network
5	576	SETLONDEMAND: Towards an On Demand ETL Approach for Semantic Data Warehouses
6	598	Attention Gated Multi-axial Fusion Network for Brain MRI Lesion Segmentation
7	599	Forecasting Electricity Consumption in Five Regions of Dhaka City: A Comparative Assessment among various ML-Boosting Models

Technical Session- 23B

Day-2, Friday, May 03, 2024

Time: 1715 – 1830**Session Title: Artificial Intelligence-10****Venue:** R-703, Tower – 3

SL	PID	Title of the paper
1	17	Gastrointestinal Insights Redefined: An Integrated Hybrid Model Fusing Vision Transformer and Transfer Learning
2	214	A Comprehensive Respiratory Evaluation: Incorporating Lung Sound and Disease Classification Along with Spirometry Assessment
3	307	QuantoTrace: Quantum Error Correction as a Service for Robust Quantum Computing
4	331	BrailleSense: Deep Learning for Braille Character Classification
5	415	Multilingual Cyberbullying Classification for Social Platforms
6	436	Prediction of the intensity of physical movement of aged people

Technical Session- 23C

Day-2, Friday, May 03, 2024

Time: 1715 – 1830**Session Title: Artificial Intelligence-11****Venue:** R-801, Tower – 3

SL	PID	Title of the paper
1	515	Error Detection in P300 Speller Device Applying Differential Entropy Features and Machine Learning Approaches
2	524	Machine Learning-driven Analysis of Suicidal Language on Social Media: A Dive into Natural Language Processing (NLP) Techniques
3	562	A Study To Classify Virus Genome Through Analyzing DNA Sequences Using Transformer Model
4	254	Machine Learning Based Prediction of Anti-dengue Drugs Using Structure-activity Relationship Study
5	609	Heart Disease Detection Using an Ensemble Solution with Target Engineering and Pearson Correlation Feature Selection
6	45	Assessing Mental Acuity Using Bioelectrical Impedance Spectroscopy Based Biomarkers

Technical Session- 23D

Day-2, Friday, May 03, 2024

Time: 1715 – 1830**Session Title: Special Session-1**

Venue: R-704, Tower – 3		
SL	PID	Title of the paper
1	279	Space-Based Investigation of the Topside Ionosphere over Bangladesh including IRI Predictions
2	289	Brain Tumor Detection by Image Segmentation Using Customized UNet Deep Learning Based Model
3	406	Enhanced Isolated Bidirectional Resonant DC-DC Converter with Artificial Neural Network Control for Electric Vehicle Onboard Chargers
4	493	Enhancing Efficiency and Stability of CdTe-Based Solar Cells: A Simulation-Based Approach for Sustainable Energy Generation
5	494	Indoor Positioning System for Smart Spaces
6	509	Management of EVs for Mitigating Unbalance in a LV Distribution Grid

Technical Session- 23E Day-2, Friday, May 03, 2024 Time: 1715 – 1830		
Session Title: Special Session-II		
Venue: R-802, Tower – 3		
SL	PID	Title of the paper
1	284	Integrating BERT Embeddings with SVM for Prostate Cancer Prediction
2	612	Enhanced Lexicon based Hybrid Method for Slang and Punctuation Scoring for Aspect Based Sentiment Analysis

Day-3: 04 May 2024 (Saturday)

Technical Session: Poster- III

Day-3, Saturday, 04 May 2024
Time: 0900 – 1040

Venue: Cafeteria, Tower – 4

SL	PID	SL	PID	SL	PID	SL	PID
1	32	11	186	21	478	31	533
2	89	12	187	22	503	32	381
3	132	13	246	23	517	33	343
4	141	14	304	24	575	34	454
5	155	15	312	25	579		
6	159	16	318	26	585		
7	167	17	400	27	594		
8	172	18	407	28	629		
9	180	19	453	29	305		
10	181	20	471	30	633		

Industry Academia Session

Day-3, Saturday, 04 May 2024
Time: 0900 – 1040

Panel Discussion

Venue: Room No: R-902, Tower – 3

Workshop on Cloud Computing

Day-3, Saturday, 04 May 2024
Time: 0900 – 1040

Speaker: Dr. Md. Kaisar Ahmed Khan, Relisource Inc

Venue: Computing Lab, 3rd Floor, Tower – 3

Best Paper Competition

Day-3, Saturday, 04 May 2024
Time: 1100 – 1310

Venue: Room No: R-801, 802, Tower – 3

If you have any query, Please text in WhatsApp number
01926662864