

IEEE CS BDC Symposium 2024

Date: November 22-23 (Friday-Saturday)

Venue: Jagannath University, Dhaka

Organizer: IEEE Computer Society Bangladesh Chapter

Contact: +88-01831943646

Program Schedule

All Times in Bangladesh Standard Time - BST (GMT + 6:00 hrs)

Day-1: November 22, 2024 (Friday)

Schedule Overview

Date	Time	Topic	Type	Number of Papers	Zoom Link	Room Number	Speaker	Link to Zoom
22 November	09:00 AM - 11:00 AM	Technical Session - D1A1	AI + ML + DA	8	https://bdren.zoom.us/j/92010006978		Online	https://bdren.zoom.us/j/92010006978
		Paper IDs: 15, 29, 40, 44, 62, 68, 74, 131						
		Technical Session - D1A2	AI + ML + DA	8	https://bdren.zoom.us/j/93328016135			https://bdren.zoom.us/j/93328016135
		Paper IDs: 35, 39, 46, 58, 81, 89, 91, 100						
		Technical Session - D1A3	AI + Quantum	7	https://bdren.zoom.us/j/98116383732			https://bdren.zoom.us/j/98116383732
		Paper IDs: 41, 52, 82, 103, 105, 124, 147, 151						
	11:00 AM - 12:00 PM	Opening Ceremony					Online	
	12:00 PM - 2:30 PM	Prayer Break						
	2:30 PM - 5:00 PM	Workshop					Offline (On Campus)	
		End of Day 1						

Technical Session - D1A1

Date: November 22, 2024, Friday

Time: 09:00 AM - 11:00 AM

Venue: Online

Zoom Link: <https://bdren.zoom.us/j/92010006978>

Zoom ID: 92010006978

Session Chairs: Dr. Sajeeb Saha, Associate Professor, Dept. of CSE, JnU, and Name, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-15: A COMPREHENSIVE APPROACH TO DETECT SPAM EMAIL USING MACHINE LEARNING ALGORITHMS

Mst. Umme Ayman, Md Sakib Al Hasan, Md Ashikur Rahman Sajib, Golam Haider Maharaz , Md. Hasan Imam Bijioy

PID-29: Child's AI-Based Smart Friend for Emotional Intelligence and Endless Playful Adventures

Nahid Hasan, Mst. Sumaiya Akter Mim, Md. Julker Nayeem

PID-40: Symptom-Based Disease Classification Using ML Algorithms

Md Saiful, S M Zobayed, Shayma Sultana

PID-44: DeepAD-Insight: A Benchmark Evaluation of Deep Learning Architectures for Multiclass Alzheimer's Disease Classification and Staging from Brain MRI Data

Mithila Mahmood, Tanjina Alam, Zinnia Sultana

PID-62: Solar Radiation Prediction with Explainable Stacking Ensemble Learning

Iftekhharul Islam, Shamanta Sharmin Sristy, Raunaq Jahan, Md. Motiur Rahman Tareq, Mahmudul Hasan

PID-68: ACU-Net: Enhancing Brain Tumor Segmentation with Attention-based Convolutional U-Net on fMRI Images

Md. Alamin Talukder, Md Aslam Hossain, Md Abu Layek

PID-74: Detection of Diabetic Retinopathy Using Texture Features, Ensemble Learning, and Deep Learning

Md Saiful, S M Zobayed, Shayma Sultana

PID-131: Towards Feature-Driven Plant Disease Detection: A Novel Image-Based Machine Learning Approach for Precision AgricultureRashedul Arefin Ifty, Afif Hossain

Irfan, Taivan Reza Dipta, Md. Sorowar Mahabub Rabby, Md. Ismail

Technical Session - D1A2

Date: November 22, 2024, Friday

Time: 09:00 AM - 11:00 AM

Venue: Online

Zoom Link: <https://bdren.zoom.us/j/93328016135>

Zoom ID: 93328016135

Session Chairs: Dr. Rameswar Debnath, **Designation**, and, Dr. Fernaz Narin Nur, **Designation**

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-35: Comparison of TF-IDF with CountVectorizer to Sentiment Analysis from Bengali Text using Supervised Machine Learning

Umme Ayman, Mohammad Asifur Rahim, Zannatul Mawa Koli, Anzir Rahman Khan, Mehraj Hossain Mahi, Narayan Ranjan Chakraborty, Md. Hasan Imam Bijoy

PID-39: EfficientNet-Based Deep Learning Model for Advanced Waste Classification

Umme Ayman, Mohammad Asifur Rahim, Ireen Ara Haque, Md. Hasan Imam Bijoy

PID-46: Tripartite sub-image histogram equalization for slightly low contrast gray-tone image enhancement

Hafijur Rahman

PID-58: A Machine Learning Approach for Identifying Gender Based on Bengali Vocal Cues

Al Arman Ovi, Iffath Tanjim Moon

PID-81: A Novel Method for Predicting Potato Yields in Bangladesh

Rashedul Arefin Ifty, A.M Asik Ifthaker Hamim, Abdul Mohaimin, Al Fahim Ishmum, Muhammed Jamshed A. Patwary

PID-89: Real Word Error Detection and Correction for Bangla Language

Sadia Afrin, Dr. K. M. Azharul Hasan

PID-91: Incentivizing Recycling: A QR Code-Based Rewarding Reverse Vending Machine for Plastic and Metal Bottles

Faysal Al Mahmud, Nafiul Hasan

PID-100: PlantDiagnoseNet : An Innovative Deep Learning System for Rice Leaf Disease Identification

Tanbin Yasmin Tanny, Arjina Akter, Md. Delowar Hossain, Chanchol Kumar Modok, Hasna Noushin Nipu, Mehedi Hasan, Tangina Sultana

Technical Session - D1A3

Date: November 22, 2024, Friday

Time: 09:00 AM - 11:00 AM

Venue: Online

Zoom Link: <https://bdren.zoom.us/j/98116383732>

Zoom ID: 98116383732

Session Chairs: Dr. Md Zahidul Islam, Designation, and, Dr. Maheen Islam, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-41: IPL Score Prediction Using Classical Machine Learning Algorithms

Md Saiful, Shayma Sultana, S M Zobayed

PID-52: A Transformed Blueprint for Memory Devices in Integrated DNA - Quantum Computing

Tamanna Tabassum, Fatema Akter

PID-82: Comparative Analysis of Deep Learning Algorithm For Rice Leaf Classification

Mohammad Naimul Islam Shanto, Md. Sayem Uddin

PID-103: A Rule-Free Stemmer for Bangla Text

Shahana Akter, K. M. Azharul Hasan

PID-105: Early Diagnosis of Autism Disorder from Eye-tracking Scanpaths with Smart Web Application

Md. Sakhawat Hossain, Md Manowarul Islam

PID-124: An Interpretable Skin Cancer Classification Using Optimized Deep Transfer Learning Method

Mohammad Naimul Islam Shanto, Md. Sayem Uddin, Md. Sorowar Mahabub Rabby

PID-147: Optimizing Stroke Prediction Models for Real-World Application: Tackling Data Imbalance Without Synthetic Samples

Md. Amimul Ihsan, Abrar Faiaz Eram, Nafiz Imtiaz, Aliva Sadnim Mahmud, Marwan Mostafa Khadem, Lutfun Nahar

Day-2: November 23, 2024 (Saturday)

Schedule Overview

Date	Time	Topic	Type	Number of Papers	Zoom Link	Room Number	Speaker	
23 November	7:30 AM - 8:00 AM	Kit Collection						
	8:00 AM - 8:30 AM	Breakfast						
	8:30 AM - 10:30 AM	Technical Session - D2A1	AI + ML + DA	8	https://bdren.zoom.us/j/93273839351		Offline (On Campus)	https://bdren.zoom.us/j/93273839351
		Paper IDs: 17, 36, 37, 45, 51, 119, 130, 153						
		Technical Session - D2A2	AI + ML + DA	8	https://bdren.zoom.us/j/93512313090			https://bdren.zoom.us/j/93512313090
		Paper IDs: 38, 66, 72, 75, 92, 99, 118, 137						
		Technical Session - D2A3	AI + ML + DA	8	https://bdren.zoom.us/j/99049292033			https://bdren.zoom.us/j/99049292033
		Paper IDs: 12, 27, 34, 71, 73, 88, 139, 141						
		Technical Session - D2A4	AI + ML + DA	8	https://bdren.zoom.us/j/96791112030			https://bdren.zoom.us/j/96791112030
		Paper IDs: 1, 5, 6, 54, 86, 106, 144, 155						

10:40 AM - 11:10 AM	Keynote Session			https://bdren.zoom.us/j/92010006978			
11:10 AM - 11:30 AM	Snacks Break						
11:30 AM - 1:00 PM	Technical Session - D2B1		6	https://bdren.zoom.us/j/94594440221	Offline (On Campus)	https://bdren.zoom.us/j/94594440221	
	Paper IDs: 33, 42, 77, 90, 95, 134						
	Technical Session - D2B2		8	https://bdren.zoom.us/j/99256827878		https://bdren.zoom.us/j/99256827878	
	Paper IDs: 28, 55, 61, 80, 129, 146, 152, 158						
	Technical Session - D2B3		8	https://bdren.zoom.us/j/91492823973		https://bdren.zoom.us/j/91492823973	
	Paper IDs: 21, 24, 48, 56, 121, 133, 145, 156						
	Technical Session - D2B4		7	https://bdren.zoom.us/j/97998144443		https://bdren.zoom.us/j/97998144443	
Paper IDs: 20, 76, 96, 102, 104, 109, 135							
1:00 PM - 2:00 PM	Lunch & Prayer Break						
2:00 PM - 2:40 PM	Poster Presentation Session		8				
	Paper IDs: 49, 63, 69, 84, 87, 93, 101, 143						

	2:40 PM - 3:20 PM	Keynote Session 2			https://bdren.zoom.us/j/92010006978			https://bdren.zoom.us/j/92010006978
	3:20 PM - 4:00 PM	Invited Talk			https://bdren.zoom.us/j/92010006978			https://bdren.zoom.us/j/92010006978
	4:00 PM - 4:30 PM	Refreshment and Prayer Break						
	4:30 PM - 5:30 PM	Closing & Award Ceremony						
	5:30 PM - 6:00 PM	Prayer Break						
	6:00 PM - 8:00 PM	Gala Dinner						
	8:00 PM	End of the Ceremony						

Technical Session - D2A1

Date: November 23, 2024, Saturday

Time: 8:30 AM - 10:30 AM

Venue:

Zoom Link: <https://bdren.zoom.us/j/93273839351> **Zoom ID:** 93273839351

Session Chairs: Dr. Md. Abu Layek, Professor, Dept. of CSE, JnU, and, Dr. K. M. Azharul Hasan, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-17: Enhancing Agricultural Productivity through Accurate Weather Forecasting: An Ensemble Machine Learning Approach

Arun Roy, Md. Shamim Bin Shahid, Habibur Rahman Rifat

PID-36: Comprehensive Multimodal Deep Learning Solution for Parkinson's Disease Diagnosis Using an Android Application

Md. Abu Sayem, Redwan Sharafat Kabir

PID-37: Transformer-Based Intrusion Detection for Securing Medical Applications in 5G IoMT Networks

Navid Al Faiyaz Provi

PID-45: The Potential of Virtual Reality to Improve the Accuracy and Efficiency of Pregnancy Detection: A Comparative Study

Tahmina Tahrim, Khandokar Nafis Jaman, Professor Md. Abu Layek, Md. Ashraful Alam

PID-51: A Multimodal Framework for Bengali Fake News Detection

Salman Farsi, Asrarul Hoque Eusha, Mohammad Shamsul Arefin

PID-76: Efficient Top-k Query Processing over Out-of-Order Data Streams

Hasibul Hasan Hasib and K. M. Azharul Hasan

PID-119: Optimizing Large Language Models : Evaluation and Refinement for Dataset-Specific Excellence

Fairooz Nahiyah, Md. Mohaiminul Islam, Fareya Borhan, Taslim Alam

PID-130: Enhancing Intent Classification with Named Entity Recognition using GAN-BnBERT

Md. Abdul Wahab Al Labib, Md Soyaeb Hossain Mahin, Md. Rakibur Rahman Mahin, Delowar Hossain, Tangina Sultana

PID-153: Deep Learning Technique for Cervical Cancer Diagnosis: Utilizing Convolutional Brief Network

SM Nuruzzaman Nobel, Maharin Afroj

Technical Session - D2A2

Date: November 23, 2024, Saturday

Time: 8:30 AM - 10:30 AM

Venue:

Zoom Link: <https://bdren.zoom.us/j/93512313090>

Zoom ID: 93512313090

Session Chairs: Dr. Md. Nasir Uddin, Professor, Dept. of CSE, JnU, and, Dr. Md. Obaidur Rahman, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-20: A Hybrid Deep Learning Approach for Identifying Jackfruit Leaf and Fruit Disease

Sarbajit Paul Bappy, Rittik Chandra Das Turjy, Amir Sohel

PID-38: Chittagonian to Standard Bangla Translation using LSTM, Bi-LSTM and Sq2Seq Transformer

Kazi Md Tanzil Islam, Farhana Symoom, Mohammad Asifur Rahim, Md. Hasan Imam Bijoy

PID-66: Automatic PowerPoint Slide Preparation from Video Presentation

Tasnim Jannat Tanha, Mahedi Hasan, Sefat Munshi, Md. Zahidul Hasan, Muhammad Aminur Rahaman

PID-72: Use of Artificial Neural Networks in Computing Optimal Parameters of Plasmonic Metal Nanoparticle Clusters to Enhance the Performance of Solar Cells

Sajid Ahmed Chowdhury, Abyaz Karim, A. F. M. Afnan Uzzaman Sheikh, Mustafa Habib Chowdhury

PID-75: IDPS: A Machine Learning Framework for Real-Time Intrusion Detection and Protection System for Malicious Internet Activity

Stein Joachim Reberio, Raisa Fabiha, Zubayer Farazi

PID-92: CNN-Based A Modified Transfer Learning Framework for Efficient Food Image Classification

Md. Sorowar Mahabub Rabby, Mohammed Main Uddin, Emdadul Islam, Md. Khaliluzzaman

PID-99: Uncovering Gender Disparities in Programming Proficiency: Explainable EDM Approach

Shuvajit Roy, Md. Abu Layek

PID-118: Real-Time IoT and Machine Learning Integration for Precision Agriculture in Bangladesh

Aishwarya Roy, Rashedul Arefin Ifty, Labib Bin Shahed

PID-137: Federated Learning Approach for Efficient Bandwidth Utilization in IoT-Based Surveillance System

Nayeem Ullah, Anwar Hossain, Kazi Sadiya Irin, Md. Obaidur Rahman

Technical Session - D2A3

Date: November 23, 2024, Saturday

Time: 8:30 AM - 10:30 AM

Venue:

Zoom Link: <https://bdren.zoom.us/j/99049292033>

Zoom ID: 99049292033

Session Chairs: Dr. Selina Sharmin, Associate Professor, Dept. of CSE, JnU, and Dr. Md. Ahsan Habib, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-12: Dropout prediction of University Students of Bangladesh using Machine learning

Umme Ayman, Md. Md Sajjad Mojumder Anik, Sabiba Israt Zerine, Md. Hasan Imam Bijoy

PID-27: Bengali Handwriting Digit Detection Using Deep Learning Techniques

Mohsin Mia, Md. Mehedi Hasan, Maria Rashid, Md. Hasan Imam Bijoy

PID-34: Multimodal Hate Event Detection in Russia-Ukraine War

Asrarul Hoque Eusha, Salman Farsi, Mohammad Shamsul Arefin

PID-71: Addressing Bias in Bengali Generated Text: A Novel Benchmarking Dataset and Evaluation Framework

Raiyan Ashraf, Saugata Roy Arghya

PID-73: An Extensive Analysis on Cryptocurrency Price Prediction Using Machine Learning and Statistical Models

Md Iftekhar Hossain Tushar, Md Azizur Rahman, Sumya Akter, Mahmudul Hasan

PID-88: A Federated Learning Approach for Multi-Crop Rice Yield Prediction

Rashedul Arefin Ifty, Afif Hossain Irfan, MD. Ismail, Muhammed Jamshed A. Patwary

PID-104: Breast Cancer Prediction Using ML with Hyperparameter Tuning and Ensemble Learning and Explainability Analysis

Fahmida Khanam, Uzzal Kumar Acharjee, Md. Manowarul Islam

PID-139: A STACKING ENSEMBLE MODEL FOR THYROID DISEASE PREDICTION

Kazi Hasebul Islam, Dilu Biswas, Md. Mohibullah Akash, Tanpia Tasnim

PID-141: Understanding and Enhancing Low-Resource Bangla Dialects in Large Language Models

Fairooz Nahiyon, Md. Mohaiminul Islam, Fareya Borhan, Taslim Alam, Iftehas Newaz

Technical Session - D2A4

Date: November 23, 2024, Saturday

Time: 8:30 AM - 10:30 AM

Venue:

Zoom Link: <https://bdren.zoom.us/j/96791112030> **Zoom ID:** 96791112030

Session Chairs: Dr. Md. Manowarul Islam, Associate Professor, Dept. of CSE, JnU, and Dr. Muhammad Aminur Rahaman, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-1: Design and Performance Analysis of a 28 GHz Hexa-slot Antenna for Bangladesh's Emerging Smart Infrastructure in Medical Applications

M. Abdullah Khan

PID-5: Digital Solutions for Efficient Scrap Collection in Bangladesh

Md Mehedi Hasan, Most.Sonia Islam, Anayat Hossain

PID-6: A Rose Classification Process Using Computer Vision Technology

Md. Mamun Sakib, Md Maruf Hasan Talukder, Nayem Uddin Prince

PID-54: Airport Assistance System for Blind and Elderly people

Munirah Anjum, Mohammed Shahriar Hossain, Shiddha Charan Shil, Lutfar Rahman Khan Hafez

PID-86: Association Rules Mining for Season-Specific Time Frame in a Retail Supermarket

Md. Julker Nayeem, Adel Ahmed, Muttakim Billal Labib

PID-106: Age of Information and Energy Aware Multi-UAV Assisted Efficient Data Collection in Sensor Networks

A.K.M. Atiqur Rahman, Muntasir Chowdhury Mridul, Md. Rajin Saleh, Palash Roy, Md. Abdur Razzaque

PID-109: ASFL: An Adaptive SplitFed Learning Framework for Digital Twin-Empowered Industrial Internet of Things

Himel Saha, Nur Ahmed, Nafis Fuad Tanvir, Palash Roy, Md. Abdur Razzaque

PID-144: Fuzzy Logic and IoT-based Solar Powered Sustainable Monitoring and Controlling System for Local Fish Farming

Md. Obaidur Rahman, Lamia Islam, Nayeem Ullah, Mehedi Hasan Shuvo, Khawja Imran Masud, Md. Latifur Rahman

PID-155: An Efficient Burst Traffic-Aware Clustering and Mobility Management model for mobile-sink based Heterogeneous Wireless Sensor Networks

Md. Abu Yousuf Siam, Fahim Hasan, Selina Sharmin, Sajeeb Saha, Nasir Uddin

Technical Session - D2B1

Date: November 23, 2024, Saturday

Time: 11:30 AM - 1:00 PM

Venue:

Zoom Link: <https://bdren.zoom.us/j/94594440221>

Zoom ID: 94594440221

Session Chairs: Dr. Uzzal Kumar Acharjee, Professor and Chairman, Dept. of CSE, JnU, and, Dr. Md. Hasanul Kabir, [Designation](#)

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-33: EEG-based Mouse Cursor Control using Motor Imagery Brain- Computer Interface

Sayem Bin Rafique, Saima Tasfia Roja, Zawwad Bin Saif, Nazmus Sakib, Md. Kafiul Islam

PID-42: Post-electroporation Spatial and Nano-molecular Analysis Revealing Drug Transportation System of In-silico Module

Shovon Saha, Md. Khorshed Alam, Md. Asaduzzaman

PID-77: Brain-Controlled Intelligent Wheelchair Using Color Stimuli

Nafiul Hasan, Md. Nur Abdullah All Saad

PID-90: From Data to Diagnosis: Machine Learning and Bioinformatics for Breast Cancer Stage Classification Using TCGA

Saurav Chandra Das, Uzzal Kumar Acharjee, Wahia Tasnim, Md. Monowarul Islam, Rabea Khatun

PID-95: Automated Radiomics Based Clinically Significant Prostate Cancer (csPCa) Grade Classification From Biparametric MRI

Md Rakibul Islam, Riad Hassan, Abdullah Nazib, Kien Nguyen, Clinton Fookes, Md Zahidul Islam

PID-134: Causal GNN: Understanding Neuronal Interaction Between Cortical Areas

Mainul Islam Labib, Abdullah Al-Mamun Bulbul, Abdullah-Al Nahid

Technical Session - D2B2

Date: November 23, 2024, Saturday

Time: 11:30 AM - 1:00 PM

Venue:

Zoom Link: <https://bdren.zoom.us/j/99256827878> **Zoom ID:** 99256827878

Session Chairs: Dr. Selina Sharmin, Associate Professor, Dept. of CSE, JnU, and Dr. Mustafa Habib Chowdhury, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-28: A Comprehensive Framework for Intelligent Transportation Systems

Sawrav Das, Md. Abdul Aziz, Sampad Ghosh

PID-55: Cross-Domain Sentiment Analysis Using Word Embedding

Proloy Karmakar, Dr. K. M. Azharul Hasan

PID-61: Ensemble Learning-Driven Primary Energy Consumption Analysis and Prediction

Abdullah Haque, Tuhin Chowdhury, Mahmudul Hasan, Sayed Mahmudul Haque

PID-80: Intelligent IoT Solutions for Reliable and Fast Data Transmission in Smart Cities

Saifur Rahman

PID-129: Text Generation from Bengali Sign Language(BdSI) Image using Convolutional Neural Networks

Swapnil P. Mistry, Sakib M. Sovon, Mrityunjoy Gain, Rameswar Debnath1

PID-146: Multi-Class Brain Tumor Classification of MRI Images Using Efficient Fine-Tuned Transfer Learning Models

Sabrina Sayla, Md. Manowarul Islam

PID-152: Towards Explainable AI in Agriculture: SHAP-Interpretable Vision Transformer for Bean Disease Classification.

Maharin Afroj, Polash Islam

PID-158: Skin Lesions Classification into Eight Classes for ISIC 2019 Using Transfer Learning

Mostofa Kamal Shaon, Md. Julker Nayeem

Technical Session - D2B3

Date: November 23, 2024, Saturday

Time: 11:30 AM - 1:00 PM

Venue:

Zoom Link: <https://bdren.zoom.us/j/91492823973> **Zoom ID:** 91492823973

Session Chairs: Dr. Md. Zulfiker Mahmud, Professor, Dept. of CSE, JnU, and, Dr. Sheak Rashed Haider, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-21: A Hybrid Deep Learning Approach for Identifying Lyme Disease from Skin Rash Images

Rittik Chandra Das Turjy, Sarbajit Paul Bappy, Amir Sohel

PID-24: A Machine Learning Based Inverse Design Approach For A Highly Sensitive Simple Structured PCF SPR Sensor

MD. Akhirul Islam, Mushfiqur Rahman Masuk

PID-48: Firefly Algorithm-Based Enhancement of MRI Images for Improved Brain Tumor Detection and Blockchain-Ensured Security

Sk. Azraf Sami and Md. Ahsan Habib

PID-56: Enhancing DNA Sequence Classification with Multinomial Naive Bayes and k-mer Representation

Md Shamiul Islam, Nabila Rahman

PID-121: Automation of Penetration Testing using Modified Deep Reinforcement Learning to Suggest Appropriate Security Model

MD. Rashedul Alam

PID-133: Intelligent-Slicing: A Profitable Framework for 5G and Beyond Networks in Healthcare

Mosammat Shima Aktar, Hemel, Fahim Hasan, Dr. Selina Sharmin, Sajeeb Saha

PID-145: Optimized Cluster-Based Data Collection and Path Construction in Mobile Sink based WSNs Using HAC and Silhouette Coefficient(SC)

Fahim Hasan, Abu Yousuf Siam, Selina Sharmin, Sajeeb Saha, Uzzal Kumar Acharjee

PID-156: Phishing URL Detection Using Comprehensive Feature Extraction and Machine Learning Techniques

Md. Redwan Ahmed, Md. Manowarul Islam, Dr. Md. Abu Layek

Technical Session - D2B4

Date: November 23, 2024, Saturday

Time: 11:30 AM - 1:00 PM

Venue:

Zoom Link: <https://bdren.zoom.us/j/97998144443>

Zoom ID: 97998144443

Session Chairs: Dr. Md. Abu Layek, Professor, Dept. of CSE, JnU, and, Dr. Abdul Kadar Muhammad Masum, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-20: A Hybrid Deep Learning Approach for Identifying Jackfruit Leaf and Fruit Disease

Sarbajit Paul Bappy, Rittik Chandra Das Turjy, Amir Sohel

PID-76: Efficient Top-k Query Processing over Out-of-Order Data Streams

Hasibul Hasan Hasib, K. M. Azharul Hasan

PID-96: Assessment Of Rehabilitation Exercise Using Shapely-Based Interpretable Machine Learning Model

Md. Johir Raihan, Mainul Islam Labib, Md Atiqur Rahman Ahad, Abdullah-Al Nahid

PID-102: IoT-Enabled Smart Health Monitoring

A. Karmakar, M. K. Sharafi

PID-104: Breast Cancer Prediction Using ML with Hyperparameter Tuning and Ensemble Learning and Explainability Analysis

Fahmida Khanam, Uzzal Kumar Acharjee, Md. Manowarul Islam

PID-109: ASFL: An Adaptive SplitFed Learning Framework for Digital Twin-Empowered Industrial Internet of Things

Himel Saha, Nur Ahmed, Nafis Fuad Tanvir, Palash Roy, Md. Abdur Razzaque

PID-135: Adaptive VR: Enhancing User Experience

Sadman Shakib, Labib Bin Shahed, Rashedul Arefin Ifty, Md.Sazzadul Islam

Technical Session - D2_Poster(Offline-Online)

Date: November 23, 2024, Saturday **Time:** 2:00 PM - 2:40 PM

Venue: Dept. of CSE, Jagannath University, Dhaka

Zoom Link: **Zoom ID:**

Session Chairs: Dr. Sajeeb Saha, Associate Professor, Dept. of CSE, JnU, and, Name, Designation

Session Moderators: Name, Designation, and, Name, Designation

Session Coordinators: Name, Designation, and, Name, Designation

Papers

PID-49: Hardware Acceleration of Fully Homomorphic Encryption through Scheme Switching

Emon Sarkar

PID-63: Unraveling the Genetic Tapestry: Exploring Biomarkers for Autism Spectrum Disorder Detection through Gene Expression Analysis

Tamanna Rahman Tanni, Md Abu Tahshin, Md Manowarul Islam

PID-69: Dr.BottleGourd24-Bottle Gourd Leaf Disease Classification with CNN

Shakil Ahmed Khan, Nabid Hasan Sany, Mst. Bipasha Mijan Prianka, Md. Milon Sheikh, Pranta Kumar Sarkar

PID-84: Innovative Deep Learning Solutions for Meat Quality and Food Safety Assurance

Md. Sorowar Mahabub Rabby, Mohammed Main Uddin, Helal Faruk Monna, Emdadul Islam

PID-87: Efficient American Sign Language Recognition with Transfer Learning Framework

Mohammad Shahin Shah, Md. Sorowar Mahabub Rabby, Mohammad Abdul Kader

PID-93: Ensemble Learning Approach for Recognizing Bengali Digits

Md. Ryhan Uddin, Md. Sadikur Rahman Khan, Md. Farhad Hossain

PID-101: Integrating Spatial and Temporal Deep Learning Approaches for Human Posture Classification

Mohammad Shahin Shah, Lamisa Mashiat, Md Shakib, Meherun Nesa Jerin

PID-143: DermNetX: An Ensemble Deep Learning Method for Skin Cancer Classification

Rashedul Islam Jisan, Hamim Reza, Suraiya Yasmin, Md Al Mahbub Hossain