

IEEE CS BDC WINTER SYMPOSIUM 2021

Session Schedule: BDT Time (GMT+6:00)

Day 1 (13 th November)		Day 2 (14 th November)	
9:30 AM-11:00 AM	Inauguration and Keynote 1: IoT Enabled Sensors for Health, Home and Environmental Monitoring Speaker: Subhas Mukhopadhyay, Australia Zoom Link: https://bdren.zoom.us/j/63974062689	9:00 AM-10:30 AM	Session 4A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/67742752982
			Session 4B: Network and Security Zoom Link: https://bdren.zoom.us/j/61106087936
11:00 AM-12:30 PM	Session 1A: Signal Processing, Computer Vision and Optimization Zoom Link: https://bdren.zoom.us/j/66570128421	10:45 AM- 12:15 PM	Session 5A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/62259361165
	Session 1B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/67410022155		Session 5B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/68336509668
	Session 1C: Algorithms and Computation Zoom Link: https://bdren.zoom.us/j/69462302240		Session 5C: Internet of Things (IoT), Data Analytics and Cloud Computing Zoom Link: https://bdren.zoom.us/j/61888937632
2:00 PM- 3:30 PM	Session 2A: Signal Processing, Computer Vision and Optimization Zoom Link: https://bdren.zoom.us/j/61832906847	12:30PM-1:30 PM	Keynote 2: An Overview of 6G: Trends, Services, and Technologies Speaker: S. M. Riazul Islam, South Korea Zoom Link: https://bdren.zoom.us/j/64094926890
	Session 2B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/62450824380		
	Session 2C: Cognitive Science, Computational Biology and e-Health Zoom Link: https://bdren.zoom.us/j/68908103625		
3:45 PM- 5:15 PM	Session 3A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/64823965722	3:00 PM- 4:30 PM	Session 6A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/69268728729
	Session 3B: Internet of Things (IoT), Data Analytics and Cloud Computing Zoom Link: https://bdren.zoom.us/j/65160705001		Session 6B: Network and Security Zoom Link: https://bdren.zoom.us/j/68722967182
		6:30 PM- 8:00 PM	Closing and Award Giving Ceremony Zoom Link: https://bdren.zoom.us/j/67062231839

Detail Schedule: BDT Time (GMT+6:00)

Day1 (13th November 2020)

9:30 AM-11:00 AM	Inauguration and Keynote 1: IoT Enabled Sensors for Health, Home and Environmental Monitoring Speaker: Subhas Mukhopadhyay, Australia Zoom Link: https://bdren.zoom.us/j/63974062689
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11:00 AM-12:30 PM	Session 1A: Signal Processing, Computer Vision and Optimization Zoom Link: https://bdren.zoom.us/j/66570128421	
	PID-6	ICT FORUM A Website to Share Knowledge and Notify Students. Farzana Haque (MBSTU)*
	PID-11	A Combined Approach for Reducing Speckle Noise from Ultrasound Images Based MD. MEHEDI HASAN MUSTAKIM (Mawlana Bhashani Science and Technology University)*
	PID-20	Jute plant disease detection using computer vision Mehedi Hasan Mithun (Mawlana Bhashani Science & Technology University)*; Md. Al Mamun (Mawlana Bhashani Science & Technology University)
	PID-37	Pedestrian Detection from UAV images based on Improved Faster R-CNN and DCGAN Sohag Hossain Hossain (Mawlana Bhashani Science and Technology University)*; Md. Abdullah (Mawlana Bhashani Science and Technology University); Dr. Sajjad Waheed (Mawlana Bhashani Science and Technology University)
	Session 1B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/67410022155	
	PID-2	A Real Time Bangla Local Language Recognition from Voice Mohammad Junayed Khan Noor (Green University of Bangladesh)
	PID-3	Computer Vision Based Autism Classification System using Deep Learning from Eye-Tracking Video Data of the Autistic Children for their Behavioral Improvement Badhon Parvej (Green University of Bangladesh)*; Afrin Sufian (Green University of Bangladesh); Sikder Md Mahub Alom (Green University of Bangladesh)
	PID-4	Lung cancer detection using 3D Convolutional Neural Networks Md Habibur Rahman (Mawlana Bhashani Science and Technology University(MBSTU))*
	PID-5	Approach for Text Classification Using Machine Learning and Deep Learning Models Zayed Islam (Mawlana Bhashani Science and Technology University)*
	PID-56	Image manipulation and transformation analysis using Generative Adversarial Network (GANs) MD Aslam Hossain (Jagannath University); Sudipta Kumar Mondol (Jagannath University); Md. Abu Layek (Jagannath University)*

PID-86	Parkinson's Disease Detection Using Deep Neural Network Nusrat Jahan (Jagannath University)*; Arifatun Nesa (Jagannath University); Md. Abu Layek (Jagannath University)
Session 1C: Algorithms and Computation Zoom Link: https://bdren.zoom.us/j/69462302240	
PID-12	E-commerce management system for developing e-business in web based software platforms Mirza Initial Mamun (Mawlana Bhasani Science and Technology University)*
PID-14	Preference Oriented Mining Techniques for Location based Point Search S M Nazmuz Sakib (Dhaka International University)*
PID-39	A Comparison of Eight Software Development Life Cycle Models Sraboni Ghosh Joya (Jahangirnagar University)*
PID-67	QPSO Assisted Variable Incremental Conductance MPPT Algorithm Under Extreme Partial Shading Conditions Sanzana Tabassum (Islamic University of Technology)*

2:00 PM- 3:30 PM	Session 2A: Signal Processing, Computer Vision and Optimization Zoom Link: https://bdren.zoom.us/j/61832906847	
	PID-49	A Framework for QCNN Integrated Satellite Imaging Platform for SDGs Success Monitoring MD Samin Rahman (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University (BSMRAAU))*; Mohammad Shorif Uddin (Jahangirnagar University)
	PID-60	Increase Capacity of QR code using Four State Pattern Technique Rokibul Islam (Green University of Bangladesh)*; Asif Mahmud (Green University of Bangladesh); Ababil Islam Udoy (Green University of Bangladesh); Dr. Muhammad Aminur Rahaman (Green University Bangladesh)
	PID-85	Crop Yield Production Using Bi-Directional LSTM-CNN: A Perspective in Bangladesh Riadul Islam Rabbi (International Islamic University of Chittagong)*; Ekramul Haque Tusher (International Islamic University of Chittagong); Mohammad Rakibul Islam (International Islamic University of Chittagong); K.M. Monaem Munna (International Islamic University of Chittagong); Sakib Iqram Hamim (International Islamic University of Chittagong)
	PID-90	Real-Time Computer Vision Based Autonomous Navigation System for Assisting Visually Impaired People using Deep Learning Shovon Sikder (Green University of Bangladesh)*; Md. Zahidul Hasan (Green University Bangladesh); Dr. Muhammad Aminur Rahaman (Green University Bangladesh)
	Session 2B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/62450824380	
	PID-24	Vulnerability of Neural Networks to Adversarial Attack and Defences in Computer Vision Pritom Bhowmik (IEM)*
	PID-25	A MACHINE LEARNING APPROACH TO FIND EFFICIENT WAY OF HEART FAILURE PREDICTION Md. Muntasirul Hoque (International Islamic University Chittagong)*; Sayem Uddin Khan (International Islamic University Chittagong); Shahidul Islam Khan (BUET, IIUC)
	PID-26	Real-Time Anomaly Detection and Classification from Surveillance Cameras using Deep Neural Network Md. Mijanur Rahman (Green University of Bangladesh)*
	PID-28	Detection of Attentiveness of the Students in Online Classes Using Heart Rate Level Measurement Tahmina Harun Faria (Jahangirnagar University)*
	PID-30	A comparative study of non-invasive approaches in the diagnosis of Diabetes-Mellitus Tajin Ahmad Nirab (Jahangirnagar University)*
	PID-32	Development of a Modern Simulation Software and Analysis of its Performance Using a Swarm System Architecture Driven by Nature-Inspired Algorithms

	Ishraq Hasan (Military Institute of Science and Technology)*; Kazi Tasnim (Military Institute of Science and Technology); Fahim Foysal (Military Institute Of Science And Technology); Md Shadman Aadeeb (Military Institute of Science and Technology); Dr. Nusrat Sharmin (Military Institute of Science and Technology)
Session 2C: Cognitive Science, Computational Biology and e-Health Zoom Link: https://bdren.zoom.us/j/68908103625	
PID-47	A computational safety analysis of polylactic acid-based bone scaffold Hazara Begum Shamma (Bangladesh University Of Engineering And Technology)*; Anadil Faruque (Bangladesh University Of Engineering And Technology)
PID-51	Identification of drug and protein-protein interaction between stroke and bipolar disorder: A bioinformatics approach Md. Faruk Hosen (Mawlana Bhashani Science and Technology University); Md. Abul Basar (Mawlana Bhashani Science and Technology University)*; Bikash Kumar Paul (Mawlana Bhashani Science and Technology University)
PID-64	Cognitive Architecture for Real-Time Multi-Agent Decision Making System Sultan Mahmud Nahian (International Islamic University Chittagong)*; Abid-Ud-Takey Emou (International Islamic University Chittagong)
PID-65	Spectrum Sensing Technique for Cognitive Radio Network And Performance evaluation Sanchayan Barua (Dewanhat City Corporation College)*
PID-72	Colorectal Cancer Segmentation With Synthetic Images Md. Jahedul Islam (None)*; Hamid Al Mahbub Sifat (None); Shafiul Alam Jewel (None)

3:45 PM- 5:15 PM	Session 3A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/64823965722
PID-33	Career Prediction Using Machine Learning Md. Moniruzzaman (Mawlana Bhashani Science and Technology University)*
PID-34	Machine learning approaches towards personalized treatment of acute myeloid leukemia Mahade Hasan (Mawlana Bhashani Science and Technology University)*
PID-38	Automated Engagement analysis for Students with Autism Spectrum Disorder using Machine Learning: A Review Sraboni Ghosh Joya (Jahangirnagar University)*
PID-40	Impact of Artificial Intelligence in Healthcare zaber all khaled (MBSTU)*; Shourov Kabiraj (MBSTU)
PID-41	Attention detection of the students in the classroom inspecting Eye and Head Movement. Kazi Fatema (Jahangirnagar University)*
PID-42	Facial Expression Detection Approaches for Online Classes in the Context of COVID-19: An Extensive Review Kazi Fatema (Jahangirnagar University)*
Session 3B: Internet of Things (IoT), Data Analytics and Cloud Computing Zoom Link: https://bdren.zoom.us/j/65160705001	
PID-53	CNN Based Fire Fighting Robot with Fireball EASHITA WAZED (Green University of Bangladesh)*; Md. Humayun Rashed Talukder (Syntanix Technologies)
PID-57	Implementation of a GPS in the present battle tanks of Bangladesh M. A. M Mahomudul Islam Munna (Military Institute Of Science and Technology)*; Md Anindya Mostofa (Military Institute Of Science and Technology); Md Shadman Aadeeb (Military Institute of Science and Technology); Dr. Nusrat Sharmin, PhD (Military Institute Of Science and Technology)
PID-71	Advanced Antennas for Small Satellites using 2.45GHz Amateur Radio Frequency Tasnim Mostari (International Islamic University Chittagong)*; Atia Binti Aziz (IIUC); Sameera Abedin (International Islamic University Chittagong)

	PID-76	Smart switch: Electricity and Fire monitoring system. Nishat Vasker (East West University)*
	PID-79	EVALUATION OF CUSTOMER FEEDBACK FOR SUSTAINABLE PRODUCT AND SERVICE DEVELOPMENT KASIMU MUKWAYA (BRAC UNIVERSITY)*

9:00 AM-10:30 AM	Session 4A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/67742752982	
	PID-43	Application of Machine Learning in Cyber Security Md. Parvez Ali (Mbstu)*
	PID-45	User Identification when wearing a mask through eye Irish with artificial intelligence Md. Shoriful Islam Sakib (IEEE)*
	PID-46	Explainable AI for Maternal and Child Predictive and Preventive Medicine Ggaliwango Marvin (Brac University)*; Dr. Golam Rabiul Alam (BRAC University)
	PID-48	Location Dependent Human Locomotion and Transportation Detection Using an Empirical Approach Purnata Saha (University of Dhaka)*; Md. Morshed Alam (University of Dhaka); Sriman Bidhan Baray (University of Dhaka); Malisha Islam Tapotee (University of Dhaka); Md Atiqur Rahman Ahad (University of Dhaka)
	PID-52	Designing an Embedded AI integrated SATCOM on The Move (SOTM) System MD Samin Rahman (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University (BSMRAAU))*; Md Amin (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University)
	PID-55	Food Packaging Activity Recognition Using MoCap Data Adrita Anwar (University of Dhaka)*; Malisha Islam Tapotee (University of Dhaka); Purnata Saha (University of Dhaka); Md Atiqur Rahman Ahad (University of Dhaka)
	Session 4B: Network and Security Zoom Link: https://bdren.zoom.us/j/61106087936	
	PID-1	DATA HIDING USING IMAGE STEGANOGRAPHY IN CYBER SECURITY WORLD Md. Shamimul Islam (Bangladesh Atomic Energy Commission)*
	PID-8	Hospital Management system by Cloud Computing Technology amina khanom (MBSTU)*
	PID-15	Ultra-Reliable Low-Latency Communication for Autonomous driving. MD. Amirul Hasan Shanto (Mawlana Bhashani Science and Technology University)*
	PID-21	Evaluation of the Relationship between E-Banking and Cyber Effect of Management Information System in the Service Delivery Crime Noorea Sarwar Al Mamun (Mawlana Bhashani Science and Technology University)*

10:45 AM- 12:15 PM	Session 5A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/62259361165	
	PID-18	Study of using Machine Learning Algorithms and Time series Methods for forecasting demand Rafiatun Ferdous Khan Lubaba (Chittagong University of Engineering and Technology)*
	PID-58	Fight with Fuzzy Clustering Approach against Email Spamming S. M. Wazid Ullah Murad (Mawlana Bhashani Science & Technology University, Tangail, Bangladesh)*; MD Khaled Hasan Manna (Mawlana Bhashani Science & Technology University, Tangail, Bangladesh)
	PID-59	Glioblastoma Detection Using vgg16, Inceptionnet, alexnet, resnet and their comparative analysis MD. SHIHAN SAVNIR (Islamic University of Technology)*

PID-61	Filtration of Toxic Bengali News for Kids Using Deep Neural Network Devopriya Tirtho (Ahsanullah University of Science and Technology)*
PID-62	Investigation on the Effects of Corona on the Mental health of Bangladeshi population Abid-Ud-Takey Emou (International Islamic University Chittagong)*
PID-63	Comparative Analysis of Machine Learning Algorithms in Detection of Brain Tumor Ali Ahnaf Hassan (Islamic University of Technology)*; Inan Marshad (Islamic University of Technology); Shahriar Hassan (Islamic University of Technology); Musarrat Amin (Islamic University of Technology); Muhammad Alif Al Hosain (Islamic University of Technology)
Session 5B: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/68336509668	
PID-10	Face Emotion Recognition System for Medical Field and Education S. M. Atiqur Rahman (Mawlana Bhashani Science and Technology University)*; Kawshik Mahato (IEEE); Dr. Sajjad Waheed (Mawlana Bhashani Science and Technology University)
PID-80	Automation Engine for Software/Website Testing Asif Mohammad Al Amin (Mawlana Bhashani Science and Technology University)*
PID-81	Artificial Intelligence for Education Access and Engagement Nakayiza Hellen (Brac University)*
PID-83	Performance Analysis of Jet Aircraft Fighting Maneuverability in Various Environment Condition Using Artificial Intelligence Md. Masud Parvez (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University)*; MD Samin Rahman (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University (BSMRAAU)); Md Amin (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University)
PID-84	AI-IoT integrated Aircraft Maintenance Management Mehedi Hasan Hridoy (BSMRAAU)*; SUBRATA SARKAR (BANGABANDHU SHEIKH MUJIBUR RAHMAN AVIATION AND AEROSPACE UNIVERSITY)
PID-87	STUDENTS' SATISFACTION WITH ONLINE EDUCATION SYSTEM IN BANGLADESH-A HYBRID MACHINE LEARNING APPROACH Rubama Tabassum Fabiha (International Islamic University Chittagong)*; Sanjida Sharmin (International Islamic University Chittagong); Asmaul Hosna (International Islamic University Chittagong)
PID-89	PREDICTING THE OPTIMUM TIME FOR REALLOCATING MCRUD BASED DDDBS Md. Yeasin Al Azad (International Islamic University Chittagong)*; Jonayed Tanjim (International Islamic University Chittagong)
Session 5C: Internet of Things (IoT), Data Analytics and Cloud Computing Zoom Link: https://bdren.zoom.us/j/61888937632	
PID-7	Smart Home Clinic and Health Monitoring of Covid-19 Patients Sadia Afrin (Mawlana Bhashani Science and Technology University,Tangail)*; md mohi uddin (mawlana bhashani science and technology univesity); Sajjad Waheed (Mawlana Bhashani Science and TTechnology University)
PID-13	Usage of Data Analytics in Improving Sourcing of Supply Chain Inputs S M Nazmuz Sakib (Dhaka International University)*
PID-22	A Device to Save the Drowning Children Nure Alam Sakib (International Islamic University Chittagong (IIUC))*
PID-23	IoT Cap and shoe for blind people with monitoring system Nishat Vasker (East West University)*
PID-50	Designing an IOT Based Smart Irrigation System To Reduce Agricultural Cost Muzahidul Islam (Mawlana Bhashani Science and Technology University)*

12:30PM-1:30 PM	<p>Keynote 2: An Overview of 6G: Trends, Services, and Technologies Speaker: S. M. Riazul Islam, South Korea Zoom Link: https://bdren.zoom.us/j/64094926890</p>
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3:00 PM- 4:30 PM	Session 6A: AI, Machine Learning and Robotics Zoom Link: https://bdren.zoom.us/j/69268728729	
	PID-66	Studies Photonic Crystal Fiber based on different Machine Learning algorithms Tushar Das (MBSTU)*; Mushfiqur Rahman (MBSTU)
	PID-68	Nurse Care Activity Recognition App for Healthcare Application Arafat Rahman (University of Dhaka)*; Md Atiqur Rahman Ahad (University of Dhaka); Iqbal Hassan (Ahsanullah University of Science and Technology)
	PID-70	Food Packaging Activity Recognition using Handcrafted Features Yeasin Arafat Pritom (University of Dhaka); Md. Sohanur Rahman (University of Dhaka); Hasib Ryan Rahman (University of Dhaka); M. Ashikuzzaman Kowshik (University of Dhaka)*; Md Atiqur Rahman Ahad (University of Dhaka)
	PID-73	Bangla text generation using transformer Md. Asekul Islam (IIUC)*
	PID-74	Machine learning approach for computing optical properties of a photonic crystal fiber Md Rafiqul Islam (Mawlana Bhashani Science and Technology University)*
	PID-77	AI for Sustainable Agriculture in Low Resource Settings Majwega Jackson (Brac University)*
	Session 6B: Network and Security Zoom Link: https://bdren.zoom.us/j/68722967182	
	PID-35	User-centric Cell-free Massive MIMO for 6G Wireless Networks Mahbuba Zaman Mitu (Mawlana Bhashani Science and Technology University.)*
	PID-54	A High Performance Handover Cell Selection Mechanism in 5G Ultra-Dense Network Nayeema Islam (Dhaka University)*
	PID-88	Internet of Things for Smart Grid Applications & Security Threats with Possible Solutions. Dewan Aminul Islam (North South University)*; Mahin Mahin Asef (North South University); Najija Tasnim Khan (North South University)

6:30 PM- 8:00 PM	<p>Closing and Award Giving Ceremony Zoom Link: https://bdren.zoom.us/j/67062231839</p>
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