



Session II: Information and Communication Technology (ICT)

- Venue : Classroom, Atomic Energy Centre, Dhaka
- Time : 14:00 - 15.30
- Chair(s) : Prof. Md. Abdur Razzaque, PhD
Dept. of Computer Science and Engineering, University of Dhaka
- : Prof. Md. Azad Hossain, PhD
Dept. of Electronics and Telecommunication Engineering
Chittagong University of Engineering & Technology
- Invited Lecture : **Responsible AI: A Framework for Ethical Intelligent Systems**
IL-01 Ahmedul Kabir, PhD
Associate Professor
Institute of Information Technology, University of Dhaka

Contributory Papers:

Abstract ID	Title	Author Name(s)
ICT01-070	Effects of Ti ⁴⁺ doping on structural, optical, magnetic and electrical properties of Ni-Mn ferrites for switching, RF natural filter and EMI suppression	Md. Hedeatul Kabir Anik, Hasan Khaled Rouf, Rimi Rashid, Sheikh Manjura Haque, and Mohammed Nazrul Islam Khan
ICT02-081	Enhancing Detection Reliability: An Explainable Ensemble-Based Approach for Breast Cancer Prediction	Hasan Khan, Md. Alamgir Hossain, and Md. Samiul Islam
ICT03-090	Decoding Cardiovascular Risk Factors: An Explainable Machine Learning Approach for Heart Disease Prediction using CDC BRFSS 2020 Data	Palash Mondol, Md. Palash Bin Faruque, Saiful Islam, Md. Abdul Khalek, Md. Samiul Islam, and Md. Alamgir Hossain
ICT04-091	An Explainable Machine Learning Approach for Diabetes Diagnosis Using Mutual Information-Based Feature Selection	Palash Mondol, Md. Palash Bin Faruque, Saiful Islam, Md. Abdul Khalek, Md. Samiul Islam, and Md. Alamgir Hossain
ICT05-144	A Cloud-Enabled IoT Framework for Smart Irrigation, Environmental Monitoring and Intrusion-Aware Plant Protection	Chiranjit Das, Aung KoKo, and Tofael Ahmed
ICT06-208	Golden Ratio Based DGS Microstrip Antenna for WiFi Applications	Jannatul Ferdouse, Md. Firoyz Ahmed, and M. Hasnat Kabir
ICT07-210	A Compact Tri-Band Microstrip Patch Antenna for Multi-Depth Breast Tumor Detection	Md. Sajid Ahmed, Md. Mehedi Hassan Shohag, Md. Jewel Rana, Md. Ashrafur Islam, and Laila Naznin