

Student's poster Accepted for 12th NSysS 2025

ID	Title	Author
1	Secured Intelligent Traffic Signal Control: A Human-Centric Approach for Dhaka	Md. Samiul Islam, Hasan Masum, Kazi Ababil Azam, A. B. M. Alim Al Islam
2	Engagement-Aware Modeling of a Genetic Counseling Chatbot in the BRIDGE Randomized Trial	Asma Binte Afzal
3	A Transparent Learning Framework: Explainable AI with FSL and ZSL for Crop Disease Detection	Mohammad Nabil Morshed, Kamrun Nahar Priyanka, Riaz Uddin, Md. Samiul Islam
4	Byzantine-Resilient Blockchain-based Federated Learning Framework with Curvature-Statistics Cross-Validation Defense (CSCVD)	Muhammad Golam Rohman Shafi, and A.B.M. Alim Al Islam
5	Developing an Automatic Denim Fabric Fault Detection System Using Deep Learning Method	Prince Das Raza, Md.Muhtadir Rahman, Sultana Umme Habiba, and Dr.Shaikh Md. Mominul Alam
6	Benchmarking Classical Machine Learning vs. Deep Learning for IoT Intrusion Detection: A Cross-Dataset Study	Saad Tahmid, Abdullah Bin Hasan, Nishat Shawrin
7	Prediction of Fiber Diameter and Fineness Using Computer Vision Based Techniques	Anika Nawar, Nafis Sadique, Marufa Kamal Rini, Tanveer Mahmood, Ahsan Uddin Tazim, Fazal-E-Imam and Prof. Dr. Shaikh Md. Mominul Alam
8	Integrated Vision-Based Monitoring of Woven Dyed Fabric Quality	Meherab Hossain, Md Saleh Fahad, Redowan Shariar Efat, Tamjid Rahman, Md Ishtiyak Uddin Khan, Prince Das Raza, Pritom Goswami, Shaikh Md. Mominul Alam
9	Predicting DSE Stock Market for Major Sectors of Bangladesh using RNN, LSTM and Transformer Models	Mehzad Galib and Md. Sabbir Hossain
10	Gravity-Potential Mapping for Hydrocarbon Exploration: A Random Forest Approach in South Asia	KAZI JAYED HALDER, KAZI REDWAN ISLAM
11	A Comparative Telemetry Analysis of Android Apps on Mid-Range vs Legacy Devices	Sajid Hasan Nawriz Ahmed Turjo
12	Tell Me The Count: A Gps-agnostic Automated Lap Counter For Tawaf	Ishrat Jahan, Md. Nazmul Islam Talukder, A. B. M. Alim Al Islam
13	The Predictor of Poison: Estimating and Exploiting Defense Vulnerabilities in Data Poisoning	Md. Nazmul Hasan Sakib, A. B. M. Alim Al Islam
14	Evaluating Web Accessibility and Usability in Bangladesh: A Comparative Analysis of Government and Non-Government Websites	Sanjida Islam Era, Ishika Tarin Ime, and A. B. M. Alim Al Islam
15	Evaluating the Efficacy of Incentives in Enhancing Voluntary Blood Donation: A Behavioral and Operational Approach in Bangladesh	Sherajum Mysha Md. Mehedi Hasan Shishir Mehedi Hassan Alif

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16	A Complexity-Aware Deep Learning Model for Waterbody Segmentation from Satellite Images	Mst Fabia Akter Nivel and A. B. M. Alim Al Islam
17	A Novel Byzantine-Resilient Approach for Blockchain-based Federated Learning Framework	Muhammad Golam Rohman Shafi, and A.B.M. Alim Al Islam
18	Previa: Longitudinal Mammography with Integrated Digital Support for Breast Cancer Risk Assessment	Mst. Fahmida Sultana Naznin, Ibtida Bin Ahmed, Mohammad Saifuz Zaman, Farhan Sadik, Arnob Dey, A.B.M. Alim Al Islam,
19	Assessing the Current State and Future Needs of Forensic Science Laboratories in Bangladesh	Jannatul Ferdous, Hasina Parveen, Tamanna Haque Nipa and A. B. M. Alim Al Islam
20	Secured Intelligent Traffic Signal Control: A Human-Centric A Fault-Tolerant Intelligent Traffic Signaling Framework for Dhaka: Emergency, VIP, and Collision Response under Urban Constraints	Md. Samiul Islam, A. B. M. Alim Al Islam
21	Fault Tolerant IP PBX System for Wireless Local Area Network	Md. Akhlas Ali, Maoyejatun Hasana, and A.B.M. Alim Al Islam
22	Skyward Bound: Exploring Youth Perceptions and Barriers in Aerospace Education in Bangladesh	Mahdeea Tasnim Islam, Swarnali Saha, Tamanna Haque Nipa, and A. B. M. Alim Al Islam
23	DataGhurhi - A New Tool for Survey with Analysis	Tawhid Umar, Mahmud Hasan, Bijoy Ahmed Saiem, Farhadul Fuad, Swarnali Saha, Mamun Munshi, Ishika Tarin, Ahanaf Ferdous,
24	Assessing Preferences for a Legal Chatbot in Bangladesh	Saha Kuljit Shantanu, Faihaj Alam Topu, Tamanna Haque Nipa, A. B. M. Alim Al Islam
25	Assessing Perceived Fairness in Algorithmic Systems: Insights from Scenario-Based Surveys Across Diverse Real-World Contexts	Ahmed Mustafa Amlan • Tasmim Shajahan Mim • Tanvir Ahmed - Ahmed Abdal Shafi Rasel
27	Survey on Visual Health Monitoring for Skin Disease Detection	Ahanaf Ferdous, Tawhid Umar, Tamanna haque Nipa, and A.B.M. Alim Al Islam
28	ResilienceNet: A Socio-Technical Network for Trust-Centric Disaster Communication in Bangladesh	Tamanna Haque Nipa, Jannatun Noor, Ishrat Jahan, Sadia Sharmin, A.B.M Alim Al Islam
29	Quantitative Analysis of Student Cybersecurity Awareness and Behavior in Bangladesh: A Survey-Based Study	Swarnali Saha, Mamun Munshi, Tamanna Haque Nipa and A. B. M. Alim Al Islam
30	Play to Secure: An Octalysis-Driven Gamification Model for Web Security Awareness among Novice Developers	Inan Karim Chowdhury, Faiyaz Ahmed Chowdhury, Mimia Mozammel Mim, Sal-Sabil, Ayaz Elahi Mullick
31	Seasonal Climate–Agriculture Analysis in Urbanizing Districts of Bangladesh	Ayesha Islam, Md. Samiul Islam, Md. Alamgir Hossain

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32	Adaptive Multi-Factor Authentication: A Robust and Seamless Approach to Secure User Authentication	Mehrab Muhtasim Sayem, Md. Jamil, Brac University, Md. Aronno Rahman Safin, Farida Chowdhury
33	Post-Attack Drone Behavior	Md. Maniruzzaman, Dr. Mahmuda Naznin, Dr. A. B. M. Alim Al Islam
34	Prediction of Fiber Diameter and Fineness Using Computer Vision Based Techniques	Anika Nawar, Nafis Sadique, Marufa Kamal Rini, Tanveer Mahmood, Ahsan Uddin Tazim, Fazal-E-Imam6 and Prof. Dr. Shaikh Md. Mominul Alam
35	Usability of Bangla Regional Dialect Voice to Text Tools	Fatin Sadab, Tawhid Umar, Mahmud Hasan, Swarnali Saha, Tamanna Haque Nipa