

Tamjidul Islam Illin

Education

Bangladesh University of Engineering and Technology

Bachelor of Science , Water Resources Engineering

29 April 2019-1 July 2024

3.76/4.00

Dhaka Residential Model College

Higher Secondary School Certificate, Science

1 July 2016- 15 August 2018

5.00/5.00

Dhaka Residential Model College

Secondary School Certificate, Science

1 January 2014- 15 June 2016

5.00/5.00

Research Interest

- Climate change
 - Risk management
- GIS Based Application
 - Machine Learning
- Hydrological modelling

Work Experience

Technovative Solutions LTD

Assistant Water Resources Engineer

- Climate assembly agenda setting in a European project using NLP

1 July 2024-

Awards

Dean’s list

Higher Secondary Board Scholarship

2021-2022

2018

Leadership Experiences

BUET Career Club

President

2023-2024

Standardized Test Result

Test of English as a Foreign Language

Reading-30, Listening-30, Speaking-26, Writing-23 (Total-109)

2nd December 2023-Present

Graduate Record Examination

Verbal – 157, Quant - 161

14th October 2023-Present

Skills

HEC RAS
★ ★ ★ ★ ☆

Machine Learning
★ ★ ★ ★ ☆

Presentation
★ ★ ★ ★ ★

HEC HMS
★ ★ ★ ★ ☆

MATLAB
★ ★ ★ ★ ☆

Communication
★ ★ ★ ★ ★

ArcGIS
★ ★ ★ ★ ☆

Idea Generation
★ ★ ★ ★ ★

Microsoft Excel
★ ★ ★ ★ ☆

Achievements

Hult Prize (on campus round) 2 nd runner-up	2020
Univ Poster Presentation Gold award	2021
Banglalink Ennovators Top 100	2021

Courses And Trainings

Institute of Water Modelling Internship (Hydrological Modelling)	7 th November 2023-16 November 2023
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Undergraduate Thesis Project (Ongoing)

Downscaling Climate Model Data Using Machine Learning and Assessing the Impact of Climate Change on the Rainfall of Potomac Basin

- Projecting to output the climate data down to 0.17°x 0.22° resolution
- Understanding the difference in rainfall due to CMIP6 climate change scenarios

Publications

1. T.I. Illin, A.P. Banna, M. Maliha (2022), "RIPARIAN MANAGEMNET and RIVERBANK EROSION: A case study on Harirampur Upazila", Final paper number: 1443, 6th International Conference on Advances in Civil Engineering (ICACE-2022)21-23 December 2022 CUET, Chattogram, Bangladesh.

6th International Conference on Advances in Civil Engineering (ICACE-2022) 21-23 December 2022 CUET, Chattogram, Bangladesh

2.H. Moulik, M. Saleh, A. P. Bonna, T. I. Illin(2023), "Soil Erosion Assessment in Rangamati District: Comparing Hydrological Conditions & Geospatial Data Before & After the 2017 Landslide Event", Final paper number: 0144, 4th International Conference on Planning, Architecture & Civil Engineering (ICAPCE-2023) 12-14 October, 2023 RUET, Rajshahi , Bangladesh.

4th International Conference on Planning, Architecture & Civil Engineering (ICAPCE-2023) 12-14 October, 2023 RUET, Rajshahi , Bangladesh.

3. I. Sarkar, T.I. Illin T.I. Oishee (2023), "Prediction of Land Use Land Cover (LULC) Changes at Sirajganj in Northwest Region of Bangladesh with Machine Learning Algorithm (CA-ANN) and Evaluating Their Impact on Land Surface Temperature" American Geophysical Union (AGU) 2023

American Geophysical Union (AGU) 2023
DOI: 10.22541/essoar.170740731.11098767/v1

4. F.Ahmed, Md. A.I.Wahid, M. Turjo, Md A. Rahman, T.I.Illin, A.K.M. R. Hossain(2024)," EVALUATING THE IMPACT OF LULC CHANGES ON FLASH FLOOD USING HEC HMS: A CASE STUDY FOR SYLHET REGION", 7th International Conference on Civil Engineering for Sustainable Development(ICCESD 2024), 7~9 February 2024, KUET, Khulna, Bangladesh

7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024), 7~9 February 2024, KUET, Khulna, Bangladesh

References

Dr. A. T. M. Hasan Zobeyer
Thesis Supervisor

Professor, Department of Water Resources Engineering,
BUET

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Dr. Nasreen Jahan
Advisor

Professor, Department of Water Resources Engineering,
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