



## MD. TARIQUL ISLAM



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47 Azgerlane, Lalbagh, Dhaka-1211.

## EDUCATION

**Ph.D in Civil Engineering** (Ongoing)  
Bangladesh University of Engineering and Technology (BUET),

**M.Sc in Civil (Structural) Engineering**  
Bangladesh University of Engineering and Technology (BUET).  
CGPA-3.33 (Out of 4.00) [Passing year 2023].

**B.Sc in Civil Engineering**  
Bangladesh University of Engineering and Technology (BUET),  
CGPA-3.42 (Out of 4.00) [Passing year 2017].

## AWARDS

1. Award for Participation in “CAD MASTER” competition in “BUET-ANWAR ISPAT 1<sup>st</sup> Bangladesh Civil Engineering Summit 2016”.
2. Award for Participation in “BRAIN TEASER” competition in “BUET-ANWAR ISPAT 1<sup>st</sup> Bangladesh Civil Engineering Summit 2016”.
3. Award for Participation in “MECHANICS MAESTRO” competition in “BUET-ANWAR ISPAT 1<sup>st</sup> Bangladesh Civil Engineering Summit 2016”.
4. Award for Participation in “Sweden-Bangladesh Nobel Memorial Quiz” in BUET in 2015.

## WORKSHOP AND TRAINING

1. Online Professional Development Course on Bangladesh National Building Code 2020, organized by the North American Center for Professional Development (NACPD), December 2021, Canada.
2. Webinar on Structural Steel Building, organized by INSTRUCT in association with INSDAG between 07-30 October 2020.
3. Workshop on Structural Health Monitoring of Civil Engineering Structures, 10-12 January 2019, AIUB, Dhaka.
4. Workshop on Fire Safety for Graduate Engineers, 29-31 March 2018, BUET, Dhaka.
5. IUT-ACF Seminar on Sustainability of Concrete, 18 December 2017, IUT, Gazipur.

## EXTRACURRICULAR AND VOLUNTEER

1. Has been member of Managing Committee of “ARPA Memorial Cricket Tournament '2015” held in BUET.
2. Has been member of BUET Career Club.
3. Has been member of Environment Watch Club.
4. Has been member of BUET Literature Club.

## SOFTWARE SKILLS

SAP 2000, ETABS, CSICOL, MATLAB, AutoCAD, Microsoft Office

## LANGUAGE SKILLS

Fluent in Bangla and English  
Communicative in Urdu and Hindi

## CAREER OBJECTIVES

Have a strong desire to be involved in planning, design, construction and technical research for the application and dissemination of my knowledge in the engineering field, as well as to take on new challenges in order to gain new experiences through constant improvement and adopting new approaches for the betterment of the society.

## WORK EXPERIENCE

### Project Engineer [June 2021-till date]

BN Submarine Base (Sheikh Hasina) Project,  
Implemented by Bangladesh Navy,  
Bureau of Research, Testing and Consultation (BRTC),  
Department of Civil Engineering,  
Bangladesh University of Engineering and Technology (BUET).

### Project Engineer [February 2019-May 2021]

Patenga Container Terminal (PCT) Project,  
Implemented by Bangladesh Army,  
Bureau of Research, Testing and Consultation (BRTC),  
Department of Civil Engineering,  
Bangladesh University of Engineering and Technology (BUET).

### Research Assistant [May 2018-February 2019]

Performance Evaluation of Slag as Aggregate Project,  
Funded by Bangladesh Steel Re-rolling Mills Limited (BSRM),  
Department of Civil Engineering,  
Bangladesh University of Engineering and Technology (BUET).

### Research Assistant [August 2017-May 2018]

Comparison of Flexure Capacity of Slab Panels Reinforced with 6mm and 10mm Bars Project,  
Funded by Bangladesh Steel Re-rolling Mills Limited (BSRM),  
Department of Civil Engineering,  
Bangladesh University of Engineering and Technology (BUET).

## CONFERENCE PAPERS

1. Islam, M. T., Mazhar, M. S., Ahmed, I., “A Study on the Safety Hazards in the Construction Industry of Bangladesh” Proceedings of 2<sup>nd</sup> International Conference on Advances in Civil Infrastructure and Construction Materials, July 2023, MIST, Dhaka, Bangladesh, pp. 155-162.
2. Islam, M. T., Rahman, N., Ahmed, I., “Free-Standing Stair under Seismic Action: Evaluation of the Provisions of BNBC 2020” Proceedings of 5<sup>th</sup> International Conference on Advances in Civil Engineering, March 2021, CUET, Chittagong, Bangladesh, pp. SE 46-53.
3. Islam, M. T., Rahman, M. A., Ahmed, I., “Use of Various Types of Cement Mortars for Improved Structural Fire Resistance” Proceedings of International Conference on Planning, Architecture and Civil Engineering, February 2019, RUET, Rajshahi, Bangladesh.
4. Islam, M. T., Rahman, M. A., Ahmed, I., “Pervious Slag Concrete-a Solution to Both Water Logging and Environment Friendly Use of Slag” Proceedings of 5<sup>th</sup> International Conference on Engineering Research, Innovation and Education, January 2019, SUST, Sylhet, Bangladesh, pp. 130-135.
5. Islam, M. T., Rahman, M. A., Ahmed, I., “Effect of Saline Water Curing on Properties of Concrete” Proceedings of 2<sup>nd</sup> International Conference on Structural Engineering Research, January 2019, BUET, Dhaka, Bangladesh, pp. 23-27.
6. Rahman, M. A., Islam, M. T., Ahmed, I., “A Review of Acceptable Limits for Various Engineering Properties of Aggregates” Proceedings of 2<sup>nd</sup> International Conference on Structural Engineering Research, January 2019, BUET, Dhaka, Bangladesh, pp. 12-17.
7. Islam, M. T., Rahman, M. A., Ahmed, I., “Good Practices in the Handling of Fusion Bonded Epoxy Coated Bars for Reaping Maximum Protection against Corrosion” Proceedings of International Conference on Disaster Risk Management, January 2019, BUET, Dhaka, Bangladesh, pp. 80-83.
8. Islam, M. T., Rahman, M. A., Ahmed, I., “Comparison of Properties of Various Types of Mortars Exposed to Fire” Proceedings of International Conference on Disaster Risk Management, January 2019, BUET, Dhaka, Bangladesh, pp. 26-31.
9. Islam, M. T., Rahman, M. A., Ahmed, I., “Determination of Chloride Absorption in Concrete – an Alternative Method for Assessing the Durability of Concrete in Low-Budget Laboratories” Proceedings of 4<sup>th</sup> International Conference on Advances in Civil Engineering, December 2018, CUET, Chittagong, Bangladesh, pp. 524-528.
10. Rahman, M. A., Islam, M. T., Ahmed, I., “Use of High Strength Concrete in Columns of RC Building for Cost Effectiveness and Sustainability” Proceedings of 1<sup>st</sup> National Conference on Water Resources Engineering, March 2018, CUET, Chittagong, Bangladesh.
11. Islam, M. T., Khan, M. A., Ahmed, I., “Structural Rehabilitation of RC Column using Micro Concrete Jacketing” Proceedings of International Conference on Disaster Risk Mitigation, September 2017, BUET, Dhaka, Bangladesh.

## TECHNICAL REPORTS

1. Ahmed, I., Islam, N., Ahmed, F., Mahdi, M. R. and Islam, M. T. (2023). “Study on the Prospect of using Welded Wire Reinforcement (WWR) in RC Slabs (Full-Scale Experimental Investigation of One-Way and Two-Way Slab Panels)”, Technical Report, Department of Civil Engineering, Bangladesh University of Engineering and Technology, Dhaka.
2. Ahmed, I., Manzur, T., Rahman, M. A., and Islam, M. T. (2019). “Performance evaluation of slag as aggregate”, Technical Report, Department of Civil Engineering, Bangladesh University of Engineering and Technology, Dhaka.
3. Ahmed, I., Manzur, T., Rahman, M. A., and Islam, M. T. (2018). “Comparison of Flexure Capacity of Slab Panels Reinforced with 6mm and 10mm Bars”, Technical Report, Department of Civil Engineering, Bangladesh University of Engineering and Technology, Dhaka.

## REFERENCE

Dr. Ishtiaque Ahmed  
Professor  
Department of Civil Engineering  
Bangladesh University of Engineering and Technology (BUET)  
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Mobile:01819133797