

# Md. Tarif Aziz

Lecturer, Department of Civil Engineering, Southern University Bangladesh

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## Education

- *BSc in Civil Engg* • Jan 2018 ~ Jun 2022 • Southern University Bangladesh (SUB)
- *BSc in Physics* • 2017 (discontinued) • Shahjalal Univeraity of Science & Technology (SUST) • Sylhet • Bangladesh
- *Higher Secondary Certificate* • 2015 ~ 2016 • Government City College • Chattogram • Bangladesh
- *Secondary School Certificate* • 2014 • Chittagong Engineering University School & College • Bangladesh

## Academic Thesis

**BSc Thesis Title:** Mechanical and Durability Properties of Concrete Blended with Single-Use Shredded Face Masks and LFS

### Thesis Supervision:

- The Effectiveness of Utilizing Polypropylene Fiber and Superabsorbent Polymer Derived from Waste Diapers in Evaluating the Mechanical Strength of concrete (Student ID: 030-22-01 & 030-22-02)

## Experience

### Lecturer, Southern University Bangladesh (SUB), [Full Time]

Tarif has joined as a lecturer in Department of Civil Engineering since September 07, 2022. Since then, Tarif has been conducting several theoretical courses and laboratory units on “Geotechnical Engineering, Structural Design, Engineering Materials and Strength Test, Basic Environmental Engineering etc.”

Tarif is also co-supervising undergraduate students on thesis on sustainable concrete.

### Intern Engineer, Chittagong Development Authority (CDA), Mar ~ Apr 2022 [2 months]

Completed internship at the Chittagong Elevated Expressway Project. In this 2-month training program, Tarif received training on the design and construction works related to:

- Group piles & pile cap
- Pier column, Y-shaped pier, pier cap
- Post-tensioned reinforced concrete girder
- Deck slabs

### Casual Engineer, Youngone Corporation, Korean EPZ Ltd, Chittagong, 15 ~ 30<sup>th</sup> Jun 2022

As a casual engineer, Tarif prepared:

- As built hand drawings of composite (steel-RCC) warehouse structures
- 2D plan and elevation (sectional) layouts in AutoCAD

## Scientific Publications

### Journal Articles

- Aziz, M.T., Hossain, M.S.S., Hasan, M.A., Mohiuddin, M.A., Utilization of Shredded Face Masks and Ladle Furnace Slag in Concrete: Insights from Experimental Study, *Cleaner Engineering and Technology*(2023), doi: <https://doi.org/10.1016/j.clet.2023.100653>

### Awards and Recognitions

- “Best Student Award 2022” for achieving merit based 1<sup>st</sup> position in BSc in Civil Engineering, Southern University Bangladesh
- Student championship, Intra-Dept. English Debate Competition, 2018 & 2019, Southern University Bangladesh
- 8<sup>th</sup> in CENtroid 2021 (Mechanics Olympiad) as a student hosted by Port City International University
- 2<sup>nd</sup> in CADMaster 2021 (CAD Competition) as a student hosted by University of Creative Technology

### Workshops, Trainings & Volunteering

- Volunteered as a student at the 2<sup>nd</sup> Intl. Conference on Research & Innovation in Civil Engineering (ICRICE) 2020, Department of Civil Engineering, Southern University Bangladesh
- Participated as a student in the 11<sup>th</sup> National Undergraduate Mathematics Olympiad 2019 – Chattogram Region, Faculty of Science & Engineering, Southern University Bangladesh
- Participated as a student in the workshop on “Youth Leadership in Community Social Work”- 2018, organized by Department of General Education, Southern University Bangladesh & Institute of Management & Information Technology, iMiT
- Participated as a student in CUET NATIONAL SPACE CARNIVAL 2017 (Chittagong Divisional Round of National Space Carnival), Chittagong University of Engineering and Technology