

FARHAN TANVIR NABIL

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Professional Experience

- **Assistant Engineer / Research Assistant**

Military Institute of Science and Technology (MIST)
August 2022-Present

- As an assistant engineer, I supervised the soil investigation at field for the project of Ananta Hotel and Resort Ltd. and 40 workers worked under my supervision. I ensured their safety protocols and systematic working environment.
- As the part of my role of research assistant, I coordinate the lab tests at Geotech Laboratory of MIST and assembles the reports of the projects. I am also conducting a project on tensile strength test of carbon geotextile using Universal Testing Machine (UTM).

Lab Skills: Universal Testing Machine (UTM), Triaxial Test, Compaction Test, Consolidation Test, Permeability Test, Direct Shear Test, Index properties tests etc.

Software Skills: Geotech Graphics, Geo5

- **Internship**

Homes 71 Ltd.
February, 2021 to March, 2021.

- Worked as an Internship Trainee, as a part of the "Civil Engineering Students Internship Program (CESIP-2021)" at consultancy company, Homes 71 Ltd.

- **Campus Ambassador**

Shabash Fakibaj™, LLC
2020-2022

- Assisted in increasing the outreach of educational contents of Shabash Fakibaj™, LLC, an international educational platform working for the betterment of the educational system in Bangladesh for the graduate studies abroad, to more than 10,000 students (per week) on social platform.

Research Experience

Development of an Electro-mechanical Apparatus for Determining Plastic Limit of Soil

I conducted research on developing a new apparatus to determine plastic limit of soil that can eliminate the operator sensitivity of the conventional method. The statistical analysis obtained a correlation value of 0.85 between plastic limits determined using the new apparatus and conventional method. The paper is Submitted and currently under review in the International Conference on Architecture and Civil Engineering (ICACE) 2022.

Academic Credentials

Bachelor of Science in Civil Engineering (February, 2018-March, 2022)
Military Institute of Science and Technology (MIST)
Mirpur, Dhaka, Bangladesh
Major: Geotech Engineering, Minor: Structural Engineering
CGPA: 3.27/4.00

Standardized Test Scores

Graduate Record Examination (GRE) – 3rd October, 2022

Total	Quantitative	Verbal	Analytical
300	156	144	3

Technical Skills

Engineering Software: Geotechnical Graphics(Quicklog) Geo5 ETABS
 Autodesk Revit(Basics) SAP 2000 AutoCAD

Image Processing Software: Adobe Photoshop Adobe Illustrator

Programming: C++

Certifications

- **BIM Fundamentals for Engineers**

Online course authorized by National Taiwan University offered through Coursera

- **Professional Building Design as Per BNBC 2020 (2022)**

Military Institute of Science and Technology

Duration: 6 credit per day from 20 march to 24 march

The training included foundation and building design using manual calculation and professional softwares ETABS, preparing and analyzing the soil report.

Linguistic Proficiency

- Bangla: Proficient
- English: Advance

Extra-curricular Activities

- Team Director of Team Channachara at MIST Literature & Cultural Club in 2020
- Mentor of Team Channachara at MIST Literature & Cultural Club in 2021
- Participated In Truss Challenge competition at MIST CE Fest In 2018, 2019
- participated In Truss challenge at Cennovation at IUT In 2018, 2019
- Managed "Cafeteria concert" as a team director of Team Channachara of MIST Literature & Cultural Club with more than 70 participants at MIST Cafeteria in 2020.

External Links

Personal Website:

References

1. **Dr. Md. Zoynul Abedin**

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 Military Institute of Science and Technology
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2. **Lt. Col Mohammad Russedul Islam, Ph.D., Engrs**

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