

Most. Mukta Banu

Permanent Address: Village & Post: Balihar, Upazila & District: Naogaon

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EDUCATIONAL QUALIFICATIONS

- **M.Sc. in Geotechnical Engineering (Persuing)**
Chittagong University of Engineering and Technology (CUET)
- **B.Sc. in Civil Engineering**
(Major: Transportation and Minor: Structural Engineering)
Bangladesh University of Engineering and Technology (BUET)
CGPA: 3.61 (out of 4.00)
Graduation Date: 20th September, 2015
- **Higher Secondary Certificate (HSC)**
New Govt. Degree College, Rajshahi
GPA: 5.00 (out of 5.00)
Passing Year: 2009
- **Secondary School Certificate (SSC)**
Balihar Dwi-Mukhi High School, Naogaon, Rajshahi
GPA: 5.00 (out of 5.00)
Passing Year: 2007

PROFESSIONAL EXPERIENCES

- **Lecturer**
Dept. of Civil Engineering,
Chittagong University of Engineering and Technology (CUET)
(From 26th April, 2016 to Present)

Responsibilities:

▪ **Courses:**

- Civil Engineering Drawing
- Mechanics of Materials Sessional
- Engineering Material Sessional
- Engineering, Planning and Architectural Appreciation
- Engineering Materials
- Construction Materials

- **Testing and Reporting:**
 - Cement Test (consistency, fineness, setting time, tensile and compressive strength etc.)
 - Concrete (Compressive Strength)
 - Test of Aggregates (specific gravity, unit weight, gradation, impact value, crushing value etc.)
 - Steel (tensile strength, unit weight, elongation, bend, shear etc.)
 - Brick (absorption, unit weight, compressive strength, efflorescence etc.)
 - Soil (direct shear, consolidation, compaction, unconfined compression, permeability, relative density)
 - Bitumen (specific gravity, ductility, solubility, softening point, flash and fire point etc.)
 - Water (physical, chemical and biological tests)
- **Conference Management:**
 - Was the member of the organizing committee of *3rd International Conference on Advances in Civil Engineering 2016 (ICACE 2016)*
Organized by Dept. of Civil Engineering, CUET
- **Recent Project:**
 - Soil and Water testing and reporting for the project of **Installation of Single Point Mooring (SPM) with Double Pipe Line**
Client: China Petroleum Pipeline Engineering Company, China
- **Lecturer**
Dept. of Civil Engineering,
World University of Bangladesh (WUB)
(From 18th December, 2015 to 25th April, 2016)

Responsibilities:

- **Courses:**
 - Water Supply Engineering
 - Permeability and seepage
 - Theory of Indeterminate Structure
 - Foundation engineering
- **Research Engineer**
Maks Inc.
Suite A3, House # 18, Road # 126, Gulshan-1, Dhaka
(From 13th March, 2016 to 25th April, 2016)

Responsibilities:

- Mapping and Routing for the project of **Freight Analysis Framework** by using **TransCAD**

PUBLICATIONS

- **Most. Mukta Banu** and Md. Mizanur Rahman, “Demand and Supply of Parking Facilities in Dhaka City and the Effects of On Street Parking on Roadway Capacity”, *International Conference on Advances in Civil Engineering, 21-23 December, 2016, CUET*
- Mst. Farzana Rahman Zuthi, **Most. Mukta Banu**, Sabuj Kumar, Tanjib Hossain, Abdullah Al-Masud, “Environmental Impact Assessment of Textile Industries of Chittagong City”, 4th *International Conference on Mechanical Engineering and Renewable Energy 2017(ICMERE 2017), CUET*

AWARDS

- Awarded scholarship for academic excellence in level-4, term-2 in BUET
- Awarded scholarship for academic excellence in level-3, term-1 in BUET
- Rajshai Board Scholarship (general) in H.S.C.
- Rajshai Board Scholarship (general) in S.S.C.
- Rajshai Board Scholarship (talent pool) in Junior Scholarship Examination
- Rajshai Board Scholarship (talent pool) in Primary Scholarship Examination

COMPUTER SKILL

- Engineering analytical tools: AutoCAD, ETABS, SAP, Matlab, VISSIM
- Programming Language: C++
- Application Packages: MS Word, MS Excel, MS Power Point
- Operating System: Windows 7

PROFESSIONAL TRAINING

Topic	Period	Venue	Organized by
Institutional Quality Assurance Program for Outcome-Based Education	10-13 th April 2017	Auditorium, CUET	Institutional Quality Assurance Cell (IQAC), Department of Civil Engineering, CUET

INDUSTRIAL EXPERIENCE

- Field visit to Aramit Group for detail observation of cement production and quality control
- Field visit to Chittagong Waste Water Treatment Plant for detail observation of waste water treatment, disposal and recycle of sludge, recycle of waste water into drinking water