

Md Riyadul Islam

House-465, Dakkhinkhan, Uttara, Dhaka-1230, Bangladesh; Phone no: (+880)-1747-639475; e-mail: rislam.bwdb@gmail.com

EDUCATION

Bangladesh University of Engineering and Technology (BUET)

B.Sc. (Bachelor of Science) in Civil Engineering

CGPA- 3.23 (on a scale of 4.00)

Dhaka, Bangladesh

Graduation Date: Sept 2015

Chartered Institute of Procurement & Supply (CIPS)

CIPS level 4, 5 & 6 in Procurement and Supply (Online Program)

Level 4 and 5 are completed. Scheduled end date – July 2023

United Kingdom

Graduation Date: Ongoing

STANDARDIZED TEST SCORE

TOEFL- 94 (Reading-27, Listening- 22, Speaking -21, Writing-24),

Dated 21 December 2022.

UNDERGRADUATE THESIS

Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

Drilling Fluids in Bored Pile Construction

Dhaka, Bangladesh

Nov 2014 – Sept 2015

- Use 'local Clay' instead of 'Bentonite' slurry as a drilling fluid.
- Quality control of drilling slurry for pile foundation.

COMPUTER SKILLS

MS Office, AutoCAD, ETABS, SAFE, SAP-2000, StaadPro, Arc-GIS, HEC-RAS, Plaxis 3D, Python, MATLAB, C++.

ONLINE COURSES

- 'Programming for Everybody (Getting Started with Python)', authorized by the University of Michigan and offered through Coursera.
- 'Python Data Structure', authorized by the University of Michigan and offered through Coursera.
- 'Introduction to GIS Mapping', authorized by the University of Toronto and offered through Coursera.
- 'A Practical Introduction to 2D River Modelling in Hec-RAS', offered through Udemy.

WORK EXPERIENCE

Bangladesh Water Development Board (Government Org.)

Assistant Engineer.

Nilphamari, Bangladesh

Oct 2018 - Present

Key Responsibilities-

- Flood embankment design, hydrological modeling, planning, river engineering, design of hydraulic structures, and project management work.

Acumen Consulting House Ltd, Dhaka (Private Ltd)

Junior Structural Engineer.

Dhaka, Bangladesh

Oct 2015 – Sep 2018

Key Responsibilities-

- Structural design and foundation design of high-rise buildings, Flyovers, Box-culverts, Underpass, Geometric design of roads, and construction supervision.

PROJECT WORK

Bangladesh Water Development Board (Government Org.)

Re-excavation of small rivers, ponds, and Reservoir at 64 districts

Nilphamari, Bangladesh

Dec 2018 – Dec 2021

- Data collection, survey, hydrological modeling, hydrologic design of dredging work; Preparation of technical report regarding outcome from the project; Public procurement, Contract management, and Construction supervision.

Straightening of Charalkata River and River Protection work of Buriteesta River

Feb 2020 – Present

- Data Collection, survey work, river erosion, and sediment analysis, bank protective work design with CC-Block and Geo-Bags, design of flood embankment; Preparation of Development Project Proposal (DPP); Public procurement, Contract management, and Construction supervision.

Command Area Development of Teesta Irrigation Canal

July 2022 – Present

- Data collection, survey, planning, Canal network development using Arc-GIS, Hydrological modeling of the project catchment area, Design of Hydraulic structure including regulators, check drops, siphons, RCC canals; Technical report for Development project proposal (DPP) Public procurement, Contract management, and Construction supervision

Acumen Consulting House Ltd (Private Org.)

Dhaka, Bangladesh

Six-lane Mohipal Flyover, Feni

Oct 2015 – Dec 2015

- Design and supervision of rigid pavement of the approach road of the flyover.

12 Storied Plus Three Basement Prime Tower Building

Nov 2015 – Aug 2018

- Mat/Raft and Shore pile foundation design using SAFE and Bangladesh National Building Code (BNBC).
- Structural design of the building (consisting of share walls, retaining walls, and whole frame structure with Flat slab) using ETABs software per Bangladesh National Building Code (BNBC) and American Concrete Institute (ACI) code.
- Supervision of construction works.
- Coordination of works with architectural design, electrical design, fire protection design, and HVAC systems.

Dhaka To Maowa N-8 Project (55 km expressway design and construction)

Oct 2017 – Aug 2018

- Structural Design of underpass, box-culvert, and pre-stressed I-girder of flyovers.
- Design of Pile Foundation of flyovers as per AASHTO code.
- Monthly progress report and technical report preparation.

Jaydebpur Foot over Bridge

Jan 2017 – Jan 2017

- Pile Foundation design.

Kuril Flyover Project

May 2018– Aug 2018

- Geometric Design of flyover containing approach roads, and U-turns using AASHTO Code.

TEACHING EXPERIENCE:

At the undergraduate level, I personally conducted classes with a focus on mathematics and physics for secondary and higher secondary level students.

AWARDS AND ACHIVEMENT:

- Government Scholarship for Completing the *MCIPS Program* from the Chartered Institute of Procurement and Supply (CIPS), United Kingdom (UK) under the 'Digitizing Implementation Monitoring and Public Procurement Project (DIMAPPP)' Project Funded by WORLD BANK and ITC-ILO in the year of 2021. (Professional Level)
- *100 % Attendance certificate* at higher secondary school in 2009 (Notre Dame College, Dhaka).
- *Merit scholarship* at junior, secondary, and higher secondary school certificate exams (School Level).

PROFESSIONAL MEMBERSHIP:

- Member of The Institution of Engineers, Bangladesh. Membership No- A/19386
- Member of The Chartered Institute of Procurement & Supply (CIPS), UK; Membership No- 005823821
- Member of CIPS Bangladesh Chapter.

EXTRA-CURRICULAR ACTIVITIES:

- Participation in HSBC Prothom Alo Language Competition in 2005, organized by Prothom Alo- Daily Newspaper.
- Participation in National Math Olympiad in 2006, organized by the National Math Olympiad Society, Bangladesh.

INTERESTS

Interest: Sports (Cricket, Football, Badminton), Movies, Travelling, Community Development work