

ROBIUL HOSSAIN CHY

+8801878349804 — rhossainchy@gmail.com — linkedin.com/in/robiul — P/A: Bahaddarhat, Chittagong

Summary — Currently, working as a full time faculty member at Department of Civil Engineering, CUET. I want to enhance research capabilities and contribute to academic excellence through teaching opportunities. I aim to leverage advanced research methodologies and pedagogical skills to foster a collaborative and intellectually stimulating educational environment.

Academic Credentials

Chittagong University of Engineering and Technology

M.Sc in Civil Engineering(Pursuing)

July 2024-

CGPA: 3.65/4.00

Completed Courses:

Finite Element Analysis, Advanced Design of Steel Structure, Advanced Soil Mechanics, Theory of Water Treatment

Chittagong University of Engineering and Technology

Bachelor of Science in Civil Engineering

Feb 2019- July 2024

CGPA: 3.71/4.00

Major: Structural Engineering

Merit: 2nd

Minors: Water Resource Engineering

Hazera Taju Degree College, Chandgaon, Chittagong

Higher Secondary Examination-HSC

July 2016- May 2018

GPA: 5.00/5.00

Baharchara Ratnapur High School, Banshkhali, Chittagong

Secondary School Certificate Examination-SSC

Jan 2011-Feb 2016

GPA: 5.00/5.00

Professional Experiences

Lecturer(Full Time), Department of Civil Engineering, CUET

May-2025 to till date

Conducted Course

Theory Courses

– Transportation Engineering, Department of Water Resource Engineering

Sessional Courses

– Geotechnical Engineering, Department of Water Resource Engineering

– Transportation Engineering, Department of Water Resource Engineering

– Fluid Mechanics, Department of Civil Engineering

Lecturer, Department of Civil Engineering, Port City International University

September-2024 to April-2025

Conducted Course

Theory Courses

– Structural Design and Analysis

– Design of Concrete Structure

– Geotechnical Engineering

– Fluid Mechanics

– Surveying

Sessional Courses

– Structural Analysis and Design

– Geotechnical Engineering

– Engineering Materials

Industrial Attachment

Sep 2023-Oct 2023

Intern at Public Works Department, Chattogram

Construction Site Visit

– Developed the knowledge of how the execution of fieldwork proceeds under the supervision of project engineer

– Collaboration with design division section and conduct classes on Public Procurement

– Practical experience on Pile load test, soil sampling

Training on Project Management

– Multiple session on project planning, execution and implementation.

– Training on Public Procurement and how it works.

Design and Analysis

– Collaboration with design team of PWD in case of rising difficulties and inexplicit situation.

–

Research Experience and Publication

Undergraduate Thesis

July 2023 -April 2024

Thesis title: Investigation of Structural Behaviour of Timber Concrete Composite Building

- Timber Concrete Composite (TCC) structures, utilizing locally available and renewable timber, offer a sustainable solution to the housing issue of disaster prone coastal regions by providing durable, cost-effective housing, addressing environmental concerns by minimizing concrete usage, reducing carbon emissions, and promoting eco-friendly construction practices. Timber concrete composite action mostly depends on shear transfer through the connector. The effective shape of the shear connector has been investigated numerically in addition to a parametric study using ANSYS general purpose Finite Element (FE) software. Additionally, the timber beam and concrete column connection is simulated as an integrated part of the timber concrete building. The top seat angle connected with the vertical bolt through the depth of the timber beam was analyzed
- **Paper Submitted as Conference Paper at ICACE-2024-CUET**

Journal Paper

Paper Title: R.Hossain,Dr.R.Alam,Imam Ifthy;Numerical Analysis of Timber Beam and RC Column Joint(In review)

Conference Paper

Paper Title: R.Hossain,Dr.R.Alam,Imam Ifthy;Numerical Analysis of Timber Beam and RC Column Joint(Published)

Skills

Analysis tools ANSYS Mechanical Workbench, ETABS

Drawing tools REVIT,AutoCAD

Languages Python-Machine Learning(Elementary Level)

Linguistic Proficiency

- English(Fluent) • Bangla(Native Language)

Extracurricular activities

Free Learning School Program during COVID at Banskhali Upazilla, Chattogram

Sep 2020 – Oct 2020

Teaching marginalised student

- During the COVID pandemic, students experienced a prolonged period of unconscious disengagement from their studies. We stepped in to provide them with guidance and support, ensuring they stayed connected to their educational journey
- Additionally, we distributed sanitizing equipment to students to help maintain hygiene and safeguard their health, further promoting a safe learning environment.

Executive member of an organization who works for street children

Since 2022

- As a member of the Pothshishu Foundation, I actively contribute to supporting underprivileged children by organizing educational programs, distributing essential learning materials, and conducting awareness campaigns to improve their overall well-being.
- I also participate in various community outreach initiatives aimed at improving health, hygiene, and access to basic necessities for these children, ensuring they have a better quality of life and opportunities for the future.

Other activities

- Teaches several HSC candidate at coaching centre as well as home tutor
- Member at American Concrete Institute, CUET
- Member at CUET Career Club

Awards and Achievement

- Technical Scholarship for Academic Excellence
- Honorary Award from Shaheed Moahammad Shah Hall, CUET for Academic Excellence
- Board Scholarship for academic excellence in HSC
- Board Scholarship for academic excellence in SSC,JSC,PESC

References

Dr.Rabiul Alam

Professor, Department of Civil Engineering, CUET

Email: arabiul07@yahoo.com

Call: +8801739177148

Dr.Bipul Chandra Mondal

Professor, Department of Civil Engineering, CUET

Email: bipul@cueta.ac.bd

Call: +8801316521694