



AYAN SAHA

Lecturer, Dept. of Building
Engineering and Construction
Management (BECM)

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CONTACT

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SKILLS

- Good communication skill both in written & spoken English & Bengali language
- AutoCAD 2D & 3D
- Autodesk Revit Architecture
- 3D Studio Max
- Sketchup
- ETABS Structural Analysis
- Autodesk Robot Structural Analysis
- MS Office (Word, PowerPoint, Excel and Project)
- Autodesk Navisworks
- Building Information Modeling (BIM)
- Programming skill with C+ and FORTRAN language

CAREER OBJECTIVE

Provide the best of my professional ability, analytic skills and techniques to enhance my knowledge as well as to achieve the goal and advancement of the organization.

EDUCATION

Bachelor of Science (B.Sc. Engineering):

Passing year : February, 2019

Subject : Building Engineering and Construction
Management (BECM)

Institution : Khulna University of Engineering & Technology

CGPA : 3.90 (in scale of 4.00)

Higher Secondary Certificate (HSC):

Passing year : 2014

Group : Science

Institution : Govt. Rajendra College, Faridpur

GPA : 5.00 (in scale of 5.00)

Secondary School Certificate (SSC):

Passing year : 2012

Group : Science

Institution : Faridpur Zilla School, Faridpur

GPA : 5.00 (in scale of 5.00)

RESEARCH INTEREST

Concrete technology: Self-compacting concrete, Ultra high-performance concrete, Fiber reinforced concrete, Advanced materials, Construction Management, Building Information Modelling, Earthquake engineering, Sustainable construction materials, Structural health monitoring.

RESEARCH EXPERIENCES

- **Undergraduate Thesis:** Investigation on self-compacting concrete using glass as secondary coarse aggregate supervised by Dr. Md. Habibur Rahman Sobuz, Assistant professor of Dept. of BECM, KUET.
- Worked on development of SCC incorporating rice husk powder with waste galvanized copper wire fiber with Jannatul Ferdous Anamika and Dr. Md. Habibur Rahman Sobuz.
- Worked on fiber reinforced lightweight concrete using nylon fiber as fine aggregate with Sarkar Raj Kishore Bappa and Dr. Md. Habibur Rahman Sobuz.
- Working on performance assessment of various seismic resistant systems for a multistory structure in different seismic zones with a 3rd year undergrad student.

PUBLICATIONS

1. Ayan Saha, Md. Habibur Rahman Sobuz, Md. Ikramul Hoque & Rashid Mujahid (2020): Influence of waste glass aggregates on the rheological properties of self-consolidated concrete, Australian Journal of Civil Engineering, DOI: 10.1080/14488353.2020.1785666.
2. Performance of self-compacting concrete made with waste glass as secondary coarse aggregate (under review on Construction and Building Materials journal).

MAJOR ACADEMIC PROJECTS

- Six storied ‘8’-shape building analysis using BIM technique (Revit, Robot, Design Review, Navisworks).
- Landscape design – “student welfare center (SWC) area”, KUET, Khulna.
- Two-story commercial building project management with detailed cost estimation.
- Interior design of the university lobby of BECM department, KUET, Khulna.
- Structural design of ten storied building with both manual technique & ETABS design software.
- Architectural design of the four storied residential building inspired by architect ‘TADAO ANDO’.
- Architectural design of an institutional building (school) and a Skyscraper.

EXPERIENCES AND VOLUNTARY WORKS

- **2018-Present - Lecturer at Khulna University of Engineering & Technology**
- 2017-2019 - Organizing Secretary, Institute of Civil Engineers (ICE), KUET chapter
- 2018-2019 - Vice-President, Greater Faridpur Association, KUET
- 2018-2019 - Vice-President, KUET Sanatan Society
- 2018-2019 – Organizer at 3rd and 4th BUILTECH FEST, BECM, KUET
- 2016-2017 – Volunteer at 1st and 2nd BUILTECH FEST, BECM, KUET

AWARDS AND CERTIFICATIONS

- **University gold medalist** for securing 1st position in graduating class.
- **Dean’s award** for scholastic achievement in consecutive four academic year (2015-2019), KUET.
- Awarded as **Best Technical Writer** in Technical Writing segment, BUILTECH FEST 2.0 & 3.0, KUET.
- Awarded as 2nd Runners-up in Case Study Solving segment, BUILTECH FEST 3.0 (2019). KUET.
- C for everyone: Programming Fundamentals (online course by University of California Santa Cruz).
- Autodesk Certified Professional: AutoCAD for Design Exam Prep. (online course by AUTODESK).
- Autodesk Certified Professional: Revit for Structural Design Exam Prep. (online course by AUTODESK).
- Autodesk Certified Professional: Revit for Architectural Design Exam Prep. (online course by AUTODESK).
- BIM Application for Engineers (online course by National Taiwan University).
- BIM Fundamentals for Engineers (online course by National Taiwan University).
- Understanding Research Methods (online course by University of London).
- Excel Skills for Business: Essentials (online course by Macquarie University).
- Introduction to LEED v4.1 for Design and Construction (online course by U.S. Green Building Council)

REFERENCES

Md. Ikramul Hoque
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DECLARATION

I, the under signed declare to the best of my belief that, this CV correctly describes my qualification, experience and myself. I understand that willful misstatement described, may lead to my disqualification or dismissal.