CURRICULUM VITAE (CV)

Name:	**Hossain Ahmad**
Date of Birth:	22 August 1997
Country of Citizenship / Residence:	Bangladeshi / Bangladesh
Address:	Taraboniar Chara, Cox's Bazar Sadar, Cox's Bazar, Bangladesh
Mobile:	01330220206
E-mail:	hossain.kuet.becm@gmail.com
LinkedIn:	https://www.linkedin.com/in/hossain1523/
Portfolio:	https://sites.google.com/view/hossainahmadresume/portfolio



Professional Summary

Creative and detail-oriented Building Engineer / Civil Engineer with experience in RCC building structural analysis, structural design, AutoCAD drafting, BOQ preparation, quantity estimation, construction documentation, project presentation and technical report preparation. Experienced in structural drawing packages for residential, mixed-use and academic buildings, including column layout, beam layout, slab reinforcement, pile foundation, pile cap, shear wall, retaining wall, water reservoir, septic tank, stair, roof and OHWR/lift machine room details. Also experienced in feasibility study support, DPP cost documentation, township presentation, digital traffic management TOR preparation, illumination calculation and project visualization support.

Education

Institution	Dates attended	Degree obtained
Khulna University of Engineering & Technology (KUET)	2016-2021	Bachelor of Science (B.Sc.) in Building Engineering & Construction Management; CGPA: 3.13 out of 4.00
Cox's Bazar Govt. College, Cox's Bazar	2013-2015	HSC, Science; GPA: 5.00 out of 5.00
Baitush Sharaf Jabbaria Academy, Cox's Bazar Sadar	2011-2013	SSC, Science; GPA: 5.00 out of 5.00

Employment Record Relevant to the Assignment

Period, Organization and Position	Summary of activities performed relevant to the assignment
05 Feb 2021 - 31 Dec 2022 **Mass Group** Assistant Engineer / Junior Designer Location: Chattogram	• Performed RCC structural analysis and design support for residential, mixed-use and academic building projects. • Prepared and checked AutoCAD structural drawings including column layout, beam layout, slab reinforcement, pile layout, pile cap details, shear wall schedule, retaining wall, stair, water reservoir and septic tank details. • Prepared BOQ, quantity estimation, construction documentation and project presentation materials. • Supported construction safety, structural detailing, drawing coordination and client presentation works.
Professional Portfolio Works Structural Designer / Assistant Engineer / Documentation Support	• Completed structural analysis, design and drawing documentation for multiple storied RCC residential and mixed-use buildings in Chattogram. • Prepared township project presentation, inception report support, TOR documentation, DPP cost component, BOQ, plot details and video/visual presentation support. • Worked on Fateyabad New Township, Digital Traffic Management for Chattogram City, illumination calculation and electrical load calculation documentation.

Training

Management Trainee — Building Design and Construction Safety, Mass Group, Chattogram, 2021,
Duration: 3 months

Language Skills

Bangla - Mother tongue; English - Moderate / Working proficiency.

Computer Skills

AutoCAD, ETABS, STAAD Pro, MS Excel, MS Word, MS PowerPoint, MS Office, Basic project documentation, BOQ preparation, Report formatting and Presentation preparation.

Adequacy for the Assignment

Detailed Tasks Assigned on Consultant's Team of Experts	Reference to Prior Work / Assignments that Best Illustrates Capability to Handle the Assigned Tasks
• RCC structural analysis and design. • Preparation of structural drawings. • Preparation of column, beam, slab, pile and foundation details. • AutoCAD drafting and drawing coordination.	Worked on structural analysis, design and drawing packages for proposed SB+G+7.5 storied residential building, SB+10 storied residential building, SB+10 storied mixed-use building, SB+09 storied residential/mixed-use building and G+4/5 storied academic building. Prepared detailed structural drawings including foundation, pile, pile cap, column layout, beam layout, slab reinforcement, shear wall, retaining wall, water reservoir, stair, roof and OHWR/lift machine room details.
• BOQ and quantity estimation. • Cost component and DPP support. • Excel-based project cost documentation.	Prepared BOQ and estimation works including Bill of Quantities for Kazir Dewri, Fateyabad DPP updated cost component and FNT plot details. Supported item-wise measurement, infrastructure cost documentation, land/plot data organization and development cost summary using MS Excel.
• Technical report writing. • Inception report preparation. • Feasibility study document support.	Supported inception report and feasibility study documentation for Fateyabad New-Township Development Project under Chittagong Development Authority, including project synopsis, background, work program, site appreciation, master plan scope, infrastructure development, guided development, geotechnical investigation, traffic/environment/economic/financial study components, preliminary cost estimate and BOQ.
• Project presentation. • PowerPoint preparation. • Video and visual communication.	Prepared project presentation and video visualization support for Fateyabad New Township / Park Town Fateyabad New Township, including smart city concept, land use distribution, infrastructure development, guided development, neighborhood planning, public facilities, project cost component, revenue concept and development procedure.
• TOR and urban infrastructure documentation. • Traffic management design support.	Prepared TOR documentation for Digital Traffic Management for Chattogram City, covering project background, objectives, 37 intersections, traffic signal development, lane marking, zebra crossing, parking spot, dropping zone and bus/car/rickshaw/CNG stoppage and traffic congestion reduction objectives.
• Electrical / illumination calculation. • Load calculation documentation.	Prepared illumination calculation and circuit current/power calculation documents, including room-wise illumination, area calculation, lumen requirement, distribution board load calculation, lighting/fan/socket load schedules and maximum current calculations.

Detailed Project Experience

A. Structural Analysis, Design and Structural Drawing Works

Name of assignment or project: Proposed SB+G+7.5 Storied Residential Building
Year: October 2022
Location: Plot No. 17, Sangbadik Housing R/A, Chattogram
Client: Mr. Md. Fakhruddin
Position held: Assistant Engineer / Structural Designer / Drafting Support
Main project features: RCC residential building with sub-basement/ground and multi-storied superstructure.
Activities performed:
• Performed RCC structural analysis and design support for building components.
• Prepared preliminary structural drawing package, drawing index and general structural notes.
• Prepared site layout plan, column layout plan, column schedule, typical floor plan and column/shear wall layout.
• Prepared foundation/pile layout, foundation details, pile/pile cap related details and long section details.
• Prepared UGWR layout, retaining wall layout, septic tank layout, retaining wall details and septic tank details.
• Prepared floor beam layout, floor beam details, slab reinforcement details, stair details, roof beam/slab details and OHWR/lift machine room details.
• Coordinated structural drawing set for client/consultant submission.

Name of assignment or project: Proposed SB+10 Storied Residential Building
Year: October 2021
Location: O.R. Nizam Road, Chattogram
Client: Md. Nasir Uddin
Position held: Assistant Engineer / Structural Designer / Drafting Support
Main project features: RCC residential building with semi-basement and ten-storied superstructure.
Activities performed:
• Performed structural analysis and design support for high-rise RCC residential building.
• Prepared general notes, site layout plan, column layout plan, column schedule and shear wall schedule.
• Prepared lift core details, grid-to-pile dimension layout, pile long section details and pile/pile cap layout by zone.
• Prepared shore pile/service pile layout, shore pile long section details and pile cap details.
• Prepared UGWR/fire water reservoir layout, underground water reservoir details, fire water reservoir details and sump pit details.
• Prepared retaining wall layout/details, septic tank layout/details, ramp details and stair details.
• Prepared semi-basement roof beam layout/details, ground floor roof beam layout, typical floor roof beam layout, roof beam details, slab details, floor plans, roof top plan and OHWR/lift machine room details.

Name of assignment or project: Proposed SB+10 Storied Mixed-Use Building
Year: September 2022
Location: Soltgola, Bondor, Chattogram
Client: Mr. Mohsin
Position held: Assistant Engineer / Structural Designer / Drafting Support
Main project features: RCC mixed-use building with semi-basement and ten-storied superstructure.
Activities performed:
• Performed structural analysis and design support for RCC mixed-use building.
• Prepared structural drawing package, drawing index and general structural notes.
• Prepared site layout, column layout, column schedule, shear wall schedule, pile layout and pile long section details.
• Prepared pile cap layout/details, UGWR layout, septic tank layout, underground water reservoir details and septic tank details.
• Prepared retaining wall layout/details, ramp and stair details.
• Prepared ground floor beam layout, 1st to 3rd floor beam layout, typical floor beam layout, roof beam details, slab reinforcement details and roof beam/slab details.
• Prepared floor plans, roof top plan, OHWR layout and lift machine room details.

Name of assignment or project: Proposed SB+09 Storied Residential / Mixed-Use Building
Year: February 2022
Location: North Kattoli, CDA R/A, Akber Shah, Chattogram
Client: Syed Abdul Alim Tuhin
Position held: Assistant Engineer / Structural Designer / Drafting Support
Main project features: RCC SB+09 storied residential/mixed-use building.
Activities performed:
• Prepared preliminary structural drawing and structural drawing index.
• Prepared general notes, site layout plan, column layout plan, column schedule and shear wall schedule.
• Prepared grid-to-pile dimension layout, pile long section details, pile cap layout by zone and pile/pile cap details.
• Prepared UGWR layout, underground water reservoir details, retaining wall layout/details, septic tank layout/details and ramp/stair details.
• Prepared semi-basement roof beam and slab layout, typical floor roof beam layout, typical floor roof slab details, roof top plan and OHWR/lift machine room details.

Name of assignment or project: Proposed G+4 / 5-Storied Academic Building
Year: 2021
Location: West Chall, Anowara, Chattogram
Client: Mr. Aziz
Position held: Assistant Engineer / Structural Designer / Drafting Support
Main project features: RCC academic building with ground plus four/five storied superstructure.
Activities performed:
• Performed structural analysis and design support for academic building project.
• Prepared structural drawing documentation including framing layout, column/beam/slab details and foundation-related structural details.
• Assisted in preparing drawing coordination for architectural and structural requirements of academic building use.

B. Township, Planning, Presentation and Technical Documentation Works

Name of assignment or project: Development of Fateyabad New Town / Park Town Fateyabad New Township
Year: 2021-2022
Location: Fateyabad, Hathazari, Chattogram
Client / Authority: Chittagong Development Authority (CDA)
Position held: Documentation, Presentation and Estimation Support
Main project features: Proposed smart and self-sustained township with residential, commercial, government, public amenities, infrastructure, utilities, open space, civic/cultural and guided development components.
Activities performed:
• Prepared PowerPoint project presentations explaining vision, location, objectives, land area, project features and development components.
• Included smart city concept, city-in-a-garden concept, neighborhood planning, housing for all income groups, education village, waste treatment plant, sports complex, medi-village, commercial area, administrative area, diplomatic enclave, focal point and public transportation/LRT concepts.
• Prepared land-use and development feature presentation including government, residential, commercial, public amenities, infrastructure/utilities, open space and civic/cultural components.
• Prepared cost component presentation for infrastructure development and guided development, including land cost, infrastructure cost, land development, road, water structure, building and related development items.
• Prepared revenue concept including land sale, flat/commercial space sale, tourism/hotel/restaurant activities, betterment fee and operation/maintenance transfer concept.
• Supported development procedure presentation including feasibility study, TOR, MOU, G2G, PPP/EPC, BOT and project implementation steps.
• Prepared video/visual presentation support for project communication and client presentation.

Name of assignment or project: Inception Report / Feasibility Study Support for Fateyabad New-Township (FNT) Development Project
Year: April-June 2022
Location: Chattogram, Bangladesh

Client: Chittagong Development Authority (CDA)
Consultants: Maverick Eye Architects / Abode Consultancy Pvt. Ltd.
Position held: Technical Documentation and Report Support
Main project features: Feasibility study for proposed Fateyabad New-Township Development Project, including technical, economic, social, environmental, master planning and infrastructure components.
Activities performed:
- Prepared inception report formatting, document lead sheet, project synopsis, background, project brief, project organization, personnel deployment and work program.
- Documented project objective to reduce housing pressure, provide planned urban facilities, create residential/commercial opportunities and develop a self-sustained township with modern facilities.
- Prepared site appreciation including project land area, existing structures, roads, water bodies and guided development concept.
- Supported scope of evaluation including survey report study, soil test report study, conceptual master plan, urban plan, structural plan, transportation plan, storm-water/drainage plan, conceptual layout drawings and simulation-animation scope.
- Supported infrastructure development documentation including road, pavement, intersection design, bridge, culvert, drainage and utilities.
- Assisted guided development design description, stakeholder analysis, possible investors, transportation facility, socio-economic analysis, environmental analysis, traffic assessment, preliminary cost estimate and BOQ.

Name of assignment or project: TOR for Digital Traffic Management for Chattogram City
Year: 2022
Location: Chattogram City
Position held: TOR and Technical Documentation Support
Main project features: Detail design consultancy scope for digital traffic management and intersection improvement at Chattogram City.
Activities performed:
- Prepared TOR document including project background, objectives, scope of services, location and intersection list.
- Documented objectives to manage mechanized and non-mechanized vehicle movement, reduce traffic congestion, improve junction design and support automated traffic enforcement.
- Included components such as traffic signal development, lane marking, zebra crossing, parking spot, dropping zone and bus/car/rickshaw/CNG stoppage.
- Prepared documentation for 37 intersections under two phases of digital traffic management.

C. Estimation, BOQ, DPP and Plot Documentation Works

Name of assignment or project: Bill of Quantities for Kazir Dewri
Year: 2021-2022
Location: Kazir Dewri, Chattogram
Position held: BOQ and Estimation Support
Activities performed:
- Prepared BOQ using MS Excel.
- Organized item-wise quantity measurement, construction items, unit rate and amount calculation.
- Supported cost summary and estimation documentation for project budgeting.

Name of assignment or project: Fateyabad DPP Updated Cost Component
Year: 2022
Location: Fateyabad, Chattogram
Position held: DPP Cost and Estimation Support
Activities performed:
- Assisted DPP-related cost component documentation in MS Excel.
- Supported infrastructure development cost, land development cost, road/water/building related cost items and guided development cost components.
- Organized project cost information for planning, feasibility and approval documentation.

Name of assignment or project: FNT Plot Details
Year: 2022
Location: Fateyabad New Township, Chattogram
Position held: Plot Data and Excel Documentation Support
Activities performed:
- Prepared plot details and land-use data organization.
- Supported plot schedule, area calculation, data entry, filtering, summarizing and project documentation in MS Excel.
- Assisted land-use and guided development data preparation for township planning and presentation.

D. Illumination and Electrical Load Calculation Works

Name of assignment or project: Illumination Calculation and Circuit Current/Power Calculation
Year: 2021
Position held: Calculation and Documentation Support
Main project features: Electrical illumination and load calculation document for building spaces and distribution board circuits.
Activities performed:
- Calculated room-wise area, standard illumination and total lumen requirement for entry, drawing room, child bed, common bath, dining space, master bed, balcony, bath and kitchen.
- Prepared circuit current and power calculation for distribution board circuits.

• Prepared load schedules for CFL, tube light, down light, fan, exhaust fan, 2-pin socket, 3-pin socket and wall bracket.
• Calculated circuit-wise total wattage and maximum current for multiple sub-circuits and distribution boards.
• Organized calculation sheet in a professional document format with tables and formulas.

E. Video and Visual Presentation Work

Name of assignment or project: Project Video / Visual Presentation Work
Year: 2022
Position held: Video and Visual Communication Support
Activities performed:
• Prepared project video presentation to explain planning, development concept and project features.
• Supported visual communication for client presentation and project understanding.
• Combined project information, graphical content and presentation flow for professional project explanation.

Expert's Contact Information

E-mail	hossain.kuet.becm@gmail.com
Mobile	01330220206
Address	Taraboniar Chara, Cox's Bazar Sadar, Cox's Bazar, Bangladesh

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experiences, and I am available to undertake the assignment in case of an award.
I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the client.

Hossain Ahmad		
Name of expert	**Signature**	**Date**