

MUHAMMAD SHEKAIB AFZAL

Personal Information

Address: P.O Box: 2713, Civil Engineering Department, Qatar University
Date of Birth: 19-09-1991
Nationality: Pakistani
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Educational Qualification

2013-2015	Masters in Civil Engineering (Structures) QATAR UNIVERSITY, QATAR	CGPA: 3.68/4.00
2008-2012	Bachelor in Civil Engineering UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE, PAKISTAN,	CGPA: 3.37/4.00
2006-2008	F.Sc in Pre-Engineering DPS & IC Jauharabad, District Khushab, Pakistan.	82%
2004-2006	Matric in Science DPS & IC Jauharabad, District Khushab, Pakistan.	86.5%

Work Experience



Qatar University, Qatar

November 2015 – Present

Teaching Assistant

Responsible for assisting and evaluating courses of Bachelors in Civil Engineering Program

Assisting in the following courses:

- Analysis of Structures CVEN 220
- Statics CVEN 213
- Fluid Mechanics CVEN 212

Major Responsibilities Include:

- Giving the tutorials on structure's software (STAAD) and to help the students in their term project.
- Evaluating the students in Home Assignments as well as in their Lab Reports.
- Assisting the course Instructors in preparation of the course files.
- Helping out the department in organizing various events.



Qatar University, Qatar

September 2015 – Now

Research Assistant (Part Time)

As a part time research assistant, I was responsible for assisting the Lead Principal Investigator on the following projects:

- **NPRP (National Priority Research Program) project titled** “Strengthening of corrosion-damaged reinforced concrete structures with textile- reinforced mortars (TRM)”. This research project is the continuation of my Master’s work.
- **Student Grant project titled** “*Textile Reinforced Mortar for shear strengthening of reinforced concrete beams*”.

Major Responsibilities Include:

- Preparation of the beam specimens having different reinforcement ratios.
- Applying the strengthening technique using different TRM systems.
- Testing of the beam specimens in the Laboratory.
- Characterization of the mortar and the textiles.



Qatar University, Qatar

September 2013 – June 2015

Graduate Teaching Assistant

Responsible for assisting the department of Civil Engineering in teaching activities

Assisted in the following courses:

- Analysis of Structures CVEN 220
- Analysis of Indeterminate Structures CVEN 321
- Stru. & Arch.2 Steel & Shell Stru. ARCH 341
- Strength of Materials CVEN 214
- Analysis and Design of Hydraulic Systems CVEN 340
- Engineering Graphics –CAD GENG 111

Major Responsibilities Include:

- Giving the tutorials on the latest structure’s software (**STAAD & SAP**) and also to help the students in their term project regarding the analysis of structures.
- Evaluating the students in Home Assignments as well as in their Lab Reports.
- Assisting the course Instructors in preparation of the course files.
- Helping out the department for organizing various events.



Project Description: *Lusail City CP-5B, Underpass Bridge, Doha, Qatar*

Main Contractor: *SAMSUNG T&C*

Consultant: *Dorsch Qatar*

Major Responsibilities Include:

- Generally responsible for implementations of all civil works at site.
- To ensure the work performed as per Approved shop drawings and QCS-2010 and project specifications.
- Day-to-day management of the site, including supervising and monitoring the site labor force.
- Planning the work and efficiently organizing the plant and site facilities in order to meet agreed deadlines.
- Overseeing quality control and health and safety matters on site.
- Preparation and submission of daily, weekly reports and Inspection requests.
- Manages directly and provide engineering and technical supports to all the civil work groups at site.
- Coordinates with Main Contractor/ Consultant's representatives for any site instructions and inspection of works.
- Assign targets for accomplishments and ensure targets are met on daily basis for all civil groups at site.
- Ensures that all site works are done according to all applicable quality standards. (QCS).
- Directly responsible for the safety of all civil groups' personnel of the project by ensuring that the project execution will be done according to all applicable health, safety, sanitary and environmental standards.
- To ensure all waterproofing components are installed prior to closing of form work.
- To ensure coordination among Civil, Mechanical and Electrical work is done.
- Preparation of Manpower Deployment. Equipment Deployment, Tool requirement, Monthly targets and Efficiency reports.
- Allocation and deployment of resources according to overall and daily planned/scheduled jobs.
- Preparation of specific Method Statements and Risk assessment studies.

Technical Skills

- Microsoft office tools 2003-2013 (Word, Excel, PowerPoint, Outlook, Publisher)
- MICROSOFT PROJECT
- AUTO CAD
- STAAD Pro
- SAFE 12
- ETABS
- SAP 2000 v17
- MATLAB
- EPANET
- ADINA

Languages

- **Urdu:** Native (writing, speaking, listening)
- **English:** Fluent (writing, speaking, listening)
- **Arabic:** Beginner (writing, speaking, listening)

Hobbies

- Squash
- Lawn Tennis
- Table Tennis
- Badminton
- Basketball
- Jogging
- Swimming

Character

- Honest, Devoted, Initiative, and able to work independently and also in team
- Excellent report writing and presentation skills
- Able to use photocopier, printer and other office tools
- Proficient in speaking and writing English.
- Valid Qatari car driving license
- Valid Qatar Resident Permit

References are available on requests.