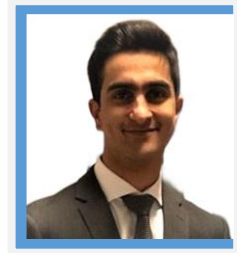


MUHAMMAD YASIR

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A competent engineer with excellent communication, organization and co-ordination skills. Possessing a proven record of preparing and executing project plans and programmes, ensuring that the work is carried out according to companies' procedures and client satisfaction.

PROFESSIONAL EXPERIENCE

July 2019 – Aug 2019

Job title: **Research Assistant**

University: UNIVERSITY OF HONG KONG

Responsibilities: Worked as a Research Assistant at the faculty of Civil Engineering under the program "HKU Civil Future Scholars 2019".

Mar 2016 – Aug 2017

Job title: **Junior Expert Engineer**

Company: NESPAK (www.nespak.com.pk)

Projects: Construction of more than 100 km roads and a six-span bridge in Rawalpindi, Pakistan

Role & Contribution

- Approved Bar bending Schedules (BBS) for all elements of the project.
- Approval of Interim Payment Certificate.
- Detailed compilation of the progress and site constraints related to project.

Key Skills

- Project Management
- Construction Supervision
- Quality Control
- Leadership
- Decision-making

May 2015 – Mar 2016

Job title: **Assistant Resident Engineer**

Company: Associated Consulting Engineers

(www.acepakistan.com)

Projects: Construction of dual carriage way(Highway), Gujranwala Division, Pakistan

Role & Contribution

- Provide consultation to client and contractors
- Oversee compliance with approved specifications.

Key Skills;

- Laboratory & quality measuring tests
- Resolving complex technical problems
- Technical drawings
- Supervision
- Quantity Surveying

Nov 2013 – May 2015

Job title: **Assistant Manager**

Company: FWO (www.fwo.com.pk)

Projects: Construction of 32 KM road and small span bridges in Chitral, Pakistan being financed under UAE Pakistan Assistance Program (UPAP). The cost of project was 41.25Mn USD.

Role & Contribution

- Project planning to achieve the target deadlines.
- Ensure safety at site for site engineers and workers.

Key Skills;

- Construction Management
- Presentation and communication skills
- MS Project
- AutoCAD
- Team-collaboration

Aug 2012 – Feb 2013

Job title: **Lecturer**

Institute: College of Business and IT

Role & Contribution

- Taught "Steel Structure" and "Mechanics of Engineering Materials" to B-tech students at CBIT College.

Key Skills;

- Effective Discipline Skills
- Communication and Interpersonal Skills
- Engaging Personality

EDUCATION

Degree	Session	Obtained GPA/Grade	Max GPA/Grade	University
Master's in Building Information Modelling (BIM)	Sept 2019- July 2020	81	100	University of Ljubljana, Slovenia University of Minho, Portugal
Master's in Structural Engineering	Sept 2017- Jan 2019	4.61	5.0	Budapest University of Technology and Economics
Bachelor's in Civil Engineering	Oct 2008- July 2012	3.39	4.0	University of Engineering and Technology Peshawar

UNIVERSITY/ACADEMIC PROJECTS

Master Thesis (BIM):

Title: A framework for BIM-based assessment of seismic performance of existing RC building according to EN-1998-1-3.

Description; The key focus is to propose and implement a BIM based integrated framework for seismic analysis of existing reinforced concrete structure using non-linear static analysis.

Master Thesis (Structural Engineering):

Title: Experimental Analysis of Structural Effectiveness of Headed Shear Studs.

Description; The key focus of the project was the laboratory testing of different types of headed studs in test beams reinforced for shear by these units. The project shows a comparative analysis based on test results focusing on the structural effectiveness of shear studs of different manufacturing technology and its comparisons with various standards such as ACI-318, EC-2 and MC-2010.

Master Term Project:

Title: Investigation, Structural Analysis and Strengthening of Existing Site Structure.

Description; Detailed investigation of existing site structure, analyzed the behavior and efficiency of reinforced concrete columns which are strengthened by steel jacketing.

Bachelors Final Year Project:

Title: Structural Health Assessment of Police Public School.

Description; Detailed assessment of existing building using non-destructive tests, core extraction tests, analysis of building model using SAP2000 and examined the building using the Standards of American Society of Civil Engineers for evaluation of existing buildings.

PUBLICATION (READY FOR SUBMISSION)

- Yasir, M., Tamas, K., (2020), "Experimental analysis of structural effectiveness of headed shear studs made through different manufacturing technologies in test beams". Periodica Polytechnica Civil Engineering.

SEMESTER PROJECTS (BIM)

- Development of a federated MEP model along with BIM uses such as drawing generation, quantity take-off, clash detection, and MEP analysis.
- Design of parametric model using Dynamo and its optimization.
- Developed BEP using LOD planner by considering ISO 19650 and BIM Uses.
- Clash detection activities and Quantity Take Off (QTO) using Navisworks and Revit.
- Testing interoperability among different tools and critical evaluation of the practical current workings of interoperability.

SEMESTER PROJECTS (STRUCTURAL ENGINEERING)

- Lateral-torsional buckling of beam using LTbeam and its comparisons with Euro Code.
- FEM model of beam and shell elements using ANSYS
- Design of pile foundation Using PLAXIS Software
- Design of raft foundation using Geo5 software
- Seismic design of multi-story building

SOFTWARE

- SeismoStruct
- MS Office/MS Project
- MATLAB
- ANSYS
- ETAB
- ATENA
- AutoCAD
- GEO5

BIM TOOLS/SOFTWARE

- Autodesk Revit
- Simplebim
- Naviswork
- Bexel Manager
- BIM 360
- Solibri

SKILLS & MEMBERSHIP

- Ability to manage multi-tasks in a demanding engineering environment.
- Capability to resolve complex technical issues with fast efficient solutions.
- Ability to assess the financial feasibility and impact of proposed budget items and also alternatives.
- Student member of ASCE (American Society of Civil Engineers).
- Registered Engineer with Pakistan Engineering Council under Registration No. CIVIL/33380.

LANGUAGES

	Understanding		Speaking		Writing
	Listening	Reading	interaction	production	
English	C1	C2	C1	C1	C1
Urdu/Hindi	C2	C2	C2	C2	C1
German	A1	A1	A1	A1	A1
Pashtu	Mother Tongue				

Levels: A1/A2: Basic User - B1/B2: Independent User - C1/C2: Proficient User

SOCIAL & COMMUNITY WORK

- Led as Event Manager at “Institute of Civil Engineers UET Peshawar”. Organized events related to civil engineering such as seminars, quizzes and project competitions.
- Member of “Rotaract Budapest-City”.
- Active Member of Blood Donor Society of UET Peshawar during my bachelor’s studies.

ACHIEVEMENTS & AWARDS

- Awarded a highly competitive Erasmus Mundus Scholarship to study European Master in Building Information Modelling (BIM), funded by European Commission.
- Awarded Stipendium Hungaricum Scholarship for master’s studies in Structural Engineering at Budapest University of Technology & Economics by Hungarian Government.
- Awarded National Talent Scholarship (NTS) during bachelor’s studies for period of 4 years.
- Secured 3rd position in F.Sc (Pre-Engineering) in Malakand Board out of 8000 students.