**AMMAR**

**AMMAR.365734@2freemail.com**

**Civil Engineer**

**PROFILE SUMMERY:**

****A competent and erudite civil engineer having work experience in **Designing, Execution** and **Quality Control** of concrete structures and flexible pavements with key expertise in **Building Structures and Fit-Outs, RCC Piling, Concrete Retaining Walls, Gabion Walls, Slope Stability, Open Drains, Culverts** and **Flyover Construction.** Have leadership qualities and complex problem solving skills to get the work done according to drawings within allocated time and resources while strictly adhering to **Engineering Specifications, Project Management Principles** and **HSE Standards**.

**WORK EXPERIENCE:**

**Civil Site Engineer**

**National Logistics Cooperation - Engineers Branch (Jan 2016 to Mar 2017)**

* Key expertise in **Execution** and **Quality Control** of **Building Structures**, **In-situ RCC Piling**, **Concrete Retaining Walls, Gabion Walls, Asphaltic Flexable Pavements, Open Drains** and **Culverts, Sonic Testing (PIT)** and **Flyover Construction.**
* Hands on practical experience in **Building Structural and Fit Out Works** ranging from steel fixing, scaffolding and concreting to finishing works such as plastering, painiting and tiling.
* **Supervision** of construction activities and providing **Technical Assistance** on problems arising on site in daily routine.
* **Managing** work place resources such as construction machinery, materials and labor.
* **Team Leadership** – Supervised a team of 43 construction member of different grades ranging from supervisors/surveyors to skilled/unskilled labor.
* **Technical Writing** – Generating inspection requests and work progress reports on daily basis.

**Junior Quantity Surveyor**

**National Logistics Cooperation – Engineers Branch (Jun 2015 to Dec 2015)**

* Expertise in steel (rebar) and concrete estimation for mega scale structural works.
* Well verse in both **conventional quantity estimation** and **BIM Quantity Estimation**.
* Hands on experience in **Architectural and Structural BIM modelling** in **Revit** and its further use in quantity estimation and clash detection.
* Strong skills in **MS Excel** and **MS PowerPoint** to analyze and present the estimation data.

**QA/QC Inspection Engineer (Trainee)**

**Project Management Office (PMO), NUST (Jun 2014 to Nov 2014)**

* QA/QC Inspection Engineer from client side on a building project
* Examining engineering drawings, specification and method statements.
* **Reporting** site activities to client on daily basis
* Generating **Non Conformity Reports (NCR)** and **Quality Control Report** to ensure its compliance by all stakeholders.

**PROJECTS COMPLETED:**

* **Building Information Modelling (BIM)** – Developed a three dimensional architectural and structural model of an academic building using *Autodesk Revit* for its further use in BIM quantity estimation and clash detection.
* **Exterior and Interior Designing** of single unit cottage using *Sketch Up* software.
* **Villa Fit Out Project** **–** Supervised interior paint work and estimated the total wall surface area to calculate paint usage.
* **Buildings Structural Work–** Supervision of construction activities such as steel fixing, formwork and scaffolding placement and concreting.
* **Road Construction** with a total structure thickness of 76 cm and length of 64 km from Mandra city to Chakwal city.
* **Flyover Construction** with grade to grade length of 800 meters crossing over a railway track.
* **Storm Water Management** by constructing roadside open drains and culverts (box and pipe both) to prevent damage to roads and private properties by surface runoff and seepage.
* **In-situ RCC Pile Casting** to prepare the foundation for pile capping and pier shaft erection of a flyover project.
* **Pile Integrity Testing (PIT) or Sonic Testing** of 76 concrete piles using *Transient Dynamic Response (TDR)* method to check the length, necking and bulging of piles.
* **Slope Stability Techniques-** Supervised the construction of a Stone Gabion Wall (Retaining Wall) to retain the earth fill material and further analyzed it though limit equilibrium (LE) software (SLIDE) for critical failure surface.
* Supervised and managed **Hydraulics and Water Laboratory** in university for eight months with hands on experience in teaching **Fluid Mechanics** and **Engineering Hydrology** lab practicals.

**TRAININGS:**

* **International Peace and Security (IPS) (July 2015 to Aug 2015)**

NUST Institute of Peace and Conflicts Studies (NIPCONS)

* **Community Based Flood Management (May 2015 to June 2015)**

United Nations Educational, Scientific and Cultural Organization (UNESCO)

* **BIM and Autodesk Revit – A Complete Guide (June 2014 to August 2014)**

NUST Institute of Civil Engineering (NICE)

**SOFTWARES:**

**Autodesk Revit, AutoCAD, Sketch Up, Primavera P6, SAP2000, Windows, MS Excel, MS Word, MS PowerPoint, SLIDE, SNAP 2 (Soil Nail Analysis Program)**

**EDUCATION:**

* **Bachelors in Civil Engineering (B.E) – 3.20 / 4.00**

National University of Sciences and Technology (NUST), Islamabad

* **General Certificate of Education (O levels)**

University of Cambridge, England (UK)