

Present position:

Support Engineer – Structure Design Support Services

Personal data

Last name: **Khan**
First name: **Muhammad Rashid**
Year of birth: 1996
Nationality: Pakistan
Current Location: Riyadh, Saudi Arabia
Experience in: Supervision of Civil Works | Design of Civil Works in AutoCAD | Quality Control/Quality Assurance | Implementation of Design Plans (Civil, Public Health) | ETABS | Project Management | Design Management | Project Scheduling

Education

2019 - 2021 **M.Sc. in Structure Engineering,**
CECOS University of IT & Emerging Sciences, Peshawar, Pakistan

2015 - 2019 **B.Sc. in Civil Engineering,**
CECOS University of IT & Emerging Sciences, Peshawar, Pakistan

Membership of professional bodies

- Registered Member of **Saudi Council of Engineering (SCE)** – Membership No: 1133329
- Registered Member of **Pakistan Engineering Council (PEC)** – ID No: CIVIL/55604
- Registered Member of **KP Board of Technical Education and Commerce Education**

Key qualifications

5+ years of total experience and **3+ years** of experience in GCC carrying out **design & construction supervision**, Designing in ETABS and AutoCAD, Quality Control, Implementation of Design Plans, project management, front end engineering design (FEED), and preparation of different reports related to Civil Scope for different Government Projects including Civil, Electrical, Public Health and MEP Works in **Commercial, Residential, and Public Use Buildings**.

Fully conversant with and leading structure and civil engineering, development, and implementation of **civil, public health, and plumbing (MEP) systems** including basic knowledge of HVAC (Chiller, AHU), FAS, CCTV aiming to ensure that buildings and infrastructure projects are equipped with efficient, sustainable, and reliable MEP systems and civil structures. Work experience includes the following: -

- Implementation of Structure design plans according to specifications, and drawings based on project guidelines, building codes, and industry standards.
- Ensure that the designs are capable to optimize its functionality in most advanced, energy efficient and sustainable method.
- Collaborate with architects, structural engineers, and other project stakeholders to ensure that the designs are seamless for the overall building and its community.
- Conduct observational studies such as survey, hydrological study and cost estimates for Civil designs.
- Oversee the installation and commissioning of Public health and MEP systems on construction sites.
- Manage and coordinate contractors and subcontractors.
- Monitor project progress and ensure that the implementation is according to the design and specifications and on schedule.
- Conduct quality control checks on civil works to ensure that they meet quality standards and project requirements.

Professional experience

| Period | Organization | Position |
|------------------------|-------------------------------|-------------------------------------|
| Aug 2024 - Present | ITEA International | Support Engineer – Structure Design |
| April 2023 – July 2024 | Al-Fahad Construction Company | Senior Site Engineer |
| Nov 2021 – March 2023 | Riyadh Villas Contracting Co. | Site Technical Civil Engineer |
| Jan 2021 – August 2021 | Global Consultants Pakistan | Civil Project Engineer |
| July 2020 – Dec 2020 | Global Consultants Pakistan | Technical Office Civil Engineer |

Aug 2024 - Present

ITEA International LTD.

Support Engineer – Structure Design Support Services



Project/Location:

MSARFP - Saudi Arabia

Owner/Client:

ROYAL SAUDI NAVAL FORCES

Responsibilities:

- Draft or revise specifications, strategies, and plans.
- Advise on the most suitable methods and materials.
- Develop project documents, including quality assurance policies.
- Manage on-site work, logistics, and progress.
- Conduct site inspections and reporting.
- Draw up forecasts, costings, and budgets.
- Monitor site compliance with legislative and safety protocols.
- Scheduling engineering projects and monitoring project delivery.
- Managing compliance with quality assurance policies, standards, and project specifications.
- Interacting with clients to understand their objectives and represent their best interests in sourcing, commissioning, or providing recommendations.
- Handling overall quality inspections, including budgets, planning, and on-site progress, with regular project reports.
- Assigning tasks and duties within a project team and providing consultative and mentoring advice.
- Liaising with project management teams and other stakeholders to assist, provide technical expertise, or suggest appropriate methods.
- Reviewing wider project deliverables and interpreting designs, budgets, and schedules to recommend corrective changes or revisions.

April 2023 – July 2024

Al-Fahad Construction Company

Senior Site Engineer

Software Responsibilities:

AutoCAD/Civil 3D:

- Prepared and updated structural drawings for tower construction
- Checked design conflicts between architectural and structural elements
- Created basic 3D models for complex structural components

Microsoft Office:

- Tracked daily progress and material usage in Excel
- Prepared weekly reports in Word
- Created simple progress presentations in PowerPoint

Construction Supervision:

Tower Construction Oversight:

- Managed concrete pouring for floors, columns and walls
- Supervised rebar installation and formwork assembly
- Checked floor levels and alignments during construction

Quality and Safety:

- Conducted regular quality inspections of all structural work
- Ensured safety measures were followed at heights
- Monitored material quality and proper storage

Site Coordination:

- Scheduled deliveries and crane operations
- Coordinated work between different trades
- Solved daily construction issues on site

Key Achievements:

- Completed tower structure on schedule
- Maintained high quality standards throughout construction
- Improved site efficiency through better planning

Nov 2021 – March 2023 Riyadh Villas Contracting Co.

Site Technical Civil Engineer

Major Projects:

Software Responsibilities:

AutoCAD/Civil 3D:

- Produced structural shop drawings for villa foundations and slabs
- Updated as-built drawings to reflect field changes
- Resolved MEP clashes in Civil 3D

Microsoft Office:

- **Excel:** Tracked concrete test results and material inventories
- **Word:** Prepared inspection reports and method statements
- **PowerPoint:** Created progress presentations

Site Responsibilities:

Field Execution:

- Led **daily site walks** with subcontractors to verify work against drawings
- Conducted **slump tests and cube sampling** for every villa concrete pour
- Supervised **rebar installation inspections** prior to pouring

Site Coordination:

- Managed **material delivery schedules** for 45 concurrent villas
- Implemented **waste segregation zones** for recycling construction debris
- Coordinated **curing compound applications** across all villas

Problem Resolution:

- Addressed **unforeseen soil conditions** with revised excavation plans
- Solved **villa layout conflicts** through real-time GPS verification

Duties & Responsibilities:

- Analyzing blueprints to ensure that construction projects meet design, safety, and budget specifications.
- Managing construction personnel and delegating tasks to meet deadlines
- Performing regular inspections of the construction site and making sure quality control.
- Organizing work schedules.
- Checking work techniques are correct and safe
- Managing orders and deliveries of building materials.
- Assisting project managers with planning work activities
- Completing site reports and other records
- Attending site management meetings
- Inspecting construction sites regularly to identify and eliminate potential safety hazards.
- Supervising and instructing the construction team as well as subcontractors.
- Educating site workers on construction safety regulations and accident protocol.
- Enforcing site safety rules to minimize work-related accidents and injuries.
- Handling site accidents in accordance with established accident protocol.
- Maintaining an accurate record of construction employee attendance.
- Evaluating the performance of construction employees and instituting disciplinary measures as needed.
- Recommending changes to construction operations or procedures to increase efficiency.

January 2021 – Aug 2021 Global Consultants Pakistan

Civil Project Engineer

Duties &
Responsibilities:

- Coordinate between consultants, external agencies, contractors, property owners and other utility services for assigned projects.
- Interpreting project briefs and meeting with clients, engineers, and architects to ensure all blueprints and technical drawings are completed to specifications.
- Producing rough sketches and using CAD software to prepare detailed drawings, plans, and blueprints.
- Ensuring drawings are compliant with building regulations and engineering principles.
- Communicating potential design issues to engineers and architects.
- Conducting research when required.
- Updating software, drawings, and other documents.
- Develop technical drawings using CAD software.
- Make revisions and obtain approval from the client.
- Maintain a database of drawings.
- Prepare supporting documentation that includes product materials and dimensions.
- Distribute drawings to internal departments and external contractors.

July 2020 – Dec 2020

Global Consultants Pakistan

Technical Office Civil Engineer

Duties &
Responsibilities:

**1. Design &
Documentation:**

- Prepare and review **civil engineering drawings** (structural, architectural, utilities) using **AutoCAD** and **Revit**.
- Assist in developing **BOQs (Bills of Quantities)** and cost estimates for projects.
- Generate **technical reports**, feasibility studies, and **method statements**.
- Ensure compliance with **Pakistan Building Codes**, CPEC guidelines (if applicable), and client specifications.

**2. Project
Coordination:**

- **Liaise between** site teams, clients, and consultants **to resolve design issues**.
- **Update** as-built drawings **based on site modifications**.
- **Monitor project progress and prepare** weekly/monthly progress reports.

**3. Tender &
Contract
Support:**

- Assist in preparing **tender documents** and technical proposals.
- Evaluate contractor submissions (shop drawings, material approvals).
- Review **contractual documents** and highlight technical clauses.

**4. Quality
Control &
Compliance:**

- Conduct **quality audits** of design deliverables.
- Verify materials and construction methods against approved specifications.
- Ensure adherence to **ISO 9001** or other relevant standards.

**5. Software &
Tools:**

- Use **AutoCAD Civil 3D** for grading, drainage, and road designs (if infrastructure projects exist).
- Utilize **ETABS** or **SAP2000** for basic structural analysis (if required).
- Manage documentation via **MS Office (Excel, Word, PowerPoint)** and **PDF editors**.

Skill Set:

AutoCAD (Certificate from a recognized Institute)

Microsoft Office (Work, Excel, Powerpoint etc)

ETABS

SAP2000

Arc GIS

Power BI

Languages

| | Speaking | Reading | Writing |
|----------------|----------|---------|---------|
| English | 2 | 2 | 2 |
| Urdu | 1 | 1 | 1 |
| Pushto | 1 | 1 | 1 |
| Arabic | 3 | 3 | 3 |

Scale: 1. mother tongue | 2. good | 3. working knowledge



Membership no.: 1133329

عضوية رقم: 1133329

In accordance with the Regulations of Saudi Council of Engineers by Royal Decree M/36 Date 26/9/1423H and the Engineering Professions Practice Regulation by Royal Decree M/36 Date 19/4/1438 H. SCE has approved:

استناداً إلى نظام الهيئة السعودية للمهندسين الصادر بالمرسوم الملكي رقم م/٣٦ وتاريخ ٢٦/٩/١٤٢٣هـ ونظام مواولة المهن الهندسية الصادر بالمرسوم الملكي م/٣٦ وتاريخ ١٩/٤/١٤٣٨هـ ولائحته التنفيذية فقد قررت الهيئة اعتماد:

MUHAMMAD RASHID KHAN IFTIKHAR AHMAD

محمد راشد خان افتخار أحمد

Membership Category: Engineer

فئة العضوية: مهندس

Specialization: Civil Engineering

التخصص: هندسة مدنية

Membership Start Date: 4/17/2025

تاريخ بداية العضوية: 4/17/2025

This Certification is valid until: 17 April 2026

هذه الشهادة صالحة إلى تاريخ: 01 ذو القعدة 1447



Secretary General الأمين العام

م. عبدالمحسن بن ضاوي المجنوني



Digitally signed by Saudi Council of Engineers at 4/17/2025

Reg. No. 2019/CUP/MSCE-0467

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

S. No. 0119016

CECOS University

of IT & Emerging Sciences

Peshawar, Pakistan



The University in accordance with the authority vested in it hereby confers upon

Muhammad Rashid
S/O Iftikhar Ahmad
the Degree of

Master of Science in Civil Engineering

with all the rights and privileges appertaining thereto.

Given at Peshawar on October 13, 2021



Dean

Registrar

President