

ABDUL BASIT

Civil Structural Engineer | MSc | PE (PEC) | SCE (KSA)

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Residence Permit (Iqama): Transferable

PROFESSIONAL SUMMARY

Abdul Basit is a professional engineer with experience in structural design, drawing review, cost estimation, and site supervision. He has designed and supervised numerous projects including residential, commercial and public place projects. He is proficient in advanced engineering software with hand-on expertise in (ETABS, SAP2000, SAFE, Auto-CAD, and Revit) and well-versed in international standards and codes (ACI-318, ASCE-07, ASTM, SBC, BCP, and IBC). He has published research in structural materials, reflecting a solid foundation in sustainable construction and engineering innovation, and also actively engaged in industry-specific training and Continuing Professional Development (CPD) workshops.

Currently, Abdul Basit is working with Taj Dhabi, a subsidiary of Trojan Construction Group, as a structural engineer. His role includes overseeing design and drawing reviews, performing in-house design and assisting senior technical engineers to ensure compliance with IFC drawings and project specifications.

WORK EXPERIENCE

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| 1) Employer | TAJ Dhabi (Subsidiary of Trojan Construction Group) |
| • Position | Structural Engineer |
| • Project | King Abdullah Financial District (KAFD) Parcel A-11 |
| • Client | King Abdullah Financial District (KAFD) |
| • Consultant | Saud Consult & Parsons |
| • Location | Riyadh, Saudi Arabia |
| • Duration | 05/2025 – Ongoing |

Roles & Responsibilities:

- Review structural drawings and technical submittals; provide comments to ensure compliance with project specifications, codes (ACI, SBC), and constructability.
 - Perform in-house structural design for small to medium structural elements when required, including secondary frames, support systems, and revisions to IFC drawings.
 - Support senior structural engineers in design coordination, calculation verification, and drawing preparation.
 - Collaborate closely with multidisciplinary teams, especially BIM coordinators, to streamline drawing integration and minimize design conflicts.
 - Assist in raising RFIs and technical queries in coordination with senior staff to resolve site or design issues
 - Contribute to quality control of structural documentation and alignment with client requirements and internal standards
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2) Employer **Naseer Engineering Services Co. Pvt. Ltd (NESCO Engineers) - Consultant**

- Position Junior (Assistant) Structural Engineer
- Top Projects Al Rayan Hospital; Sialkot Heights; Mall of Airport, Marth Plaza; Empire Hostel
- Location Lahore, Pakistan
- Duration 07/2022 – 03/2025

Roles & Responsibilities:

Office-based

- Designed over 25+ residential and commercial buildings, and public places using ETABS, SAFE, SAP2000, and Excel spreadsheets ensuring 100% compliance with building codes and standards.
- Validated structural designs through spreadsheet-based calculations and manual checks, achieving 100% accuracy and safety.
- Created 30+ detailed drawings using AutoCAD and significantly reduced revision requests.

Site-based

- Supervised construction activities for 10+ projects, ensuring structural integrity by complying with building code standards.
- Directed structural strengthening and rehabilitation for over 15+ projects, addressing structural cracks and deficiencies to enhance their functional performance.
- Conducted numerous site visits and ensured proper implementation of IFC drawings on sites.

3) Employer **Core Construction Services**

- Position Civil Site Engineer
- Project Extension of Sialkot International Airport Limited (SIAL) Secretariat
- Client Sialkot International Airport Limited (SIAL)
- Budget 95 million PKR
- Location Sialkot, Pakistan
- Duration 02/2021 – 05/2022

Roles & Responsibilities:

- Prepared detailed cost estimates and BOQs for project to optimize budget allocation
 - Prepared Bar Bending Schedules (BBS), optimized material usage and reduced waste by 10%, ensuring cost-effective procurement.
 - Supervised the extension of the Sialkot International Airport Limited (SIAL) Secretariat project, coordinating teams to streamline workflows, and successfully delivering the project approximately 15% under the budget.
 - Managed the site, received, handled, sampled, and tested required materials, along with raised RFIs and MIRs.
 - Site observation reports (SOP) were closed within the agreed time, restricting the matter from escalation towards non-conformity
 - Maintained checklists
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EDUCATIONAL QUALIFICATIONS

Degree **MSc. Structural Engineering (2019-2023)**
Institute University of Engineering & Technology Lahore, Pakistan

Degree **BSc. Civil Engineering (2015-2019)**
Institute University of Engineering & Technology Lahore, Pakistan
Achievement Dean's Honour Roll (Awarded for Academic Excellence)

PROFESSIONAL REGISTRATIONS/ MEMBERSHIPS

- Pakistan Engineering Council (PEC) – Reg No # CIVIL/ 53884
- Saudi Council of Engineers (SCE) – Reg No # 1154950

TECHNICAL SKILLS

- Microsoft Office
- CSI ETABS
- CSI SAP2000
- CSI SAFE
- Autodesk Revit
- Autodesk Auto-CAD

PUBLICATION

Impact of Recycled Concrete and Brick Aggregates on the Flexural and Bond Performance of Reinforced Concrete

- Examined the structural performance of concrete incorporating recycled concrete and brick aggregates, and evaluated density, strength, bond behavior, and flexural properties.
- Concrete with partial replacement (50%) of natural aggregates with recycled aggregates was found to be feasible and recommended for structural purposes.

LANGUAGES

- Urdu & Punjabi (Native)
- English (Fluent) - CEFR Level: C1