



Kaleem Ullah Sandhu

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PROFESSIONAL SUMMARY

Results-driven Civil Engineer with 7+ years of experience in planning, scheduling, and managing high-value engineering and construction projects. Proven expertise in project scheduling, critical path analysis, risk management, and cross-functional coordination. Adept at using Primavera P6, MS Project, and Microsoft Office Suite. Strong background in public infrastructure development and government-sector project execution.

WORK EXPERIENCE

Oct 2021 – Present Assistant Executive Engineer at Pakistan Public Works Department (Pak. PWD), M/o Housing & Works

- **Duties at Services & Planning Section. D.G. Office, Pak. PWD, Islamabad:**
 - i. Scrutiny of PC-Is of schemes under Sustainable Development Goals Achievement Programme (SAP), and Public Sector Development Programme (PSDP) executed through Pak. PWD, all over Pakistan.
 - ii. Data collection and compilation of Monthly Progress Reports for projects under SAP from all Zonal Offices.
 - iii. Data collection and compilation of Monthly Progress Reports, Quarterly Reviews, and Mid-Year Reviews for projects under PSDP.
 - iv. Resolution of PMDU (Prime Minister Performance Delivery Unit) complaints on PM portal through coordination with all Zonal Offices.
 - v. Updating and verification of Monthly Progress Reports of PSDP projects on PMES.
 - vi. Updating and forwarding PC-I's on iPAS portal to the Ministry of Housing & Works.
 - vii. Preparation of agendas for Meetings of the Departmental Development Working Party (DDWP) of Ministry of Housing & Works.
 - viii. Preparation of presentations on PSDP, SAP, and Deposit Works for Director General, Pak. PWD for meetings of National Assembly and Senate Standing Committees.
- **Duties at Central Civil Division-I, Pak. PWD, Quetta:**
 - i. Preparation of PC-Is of schemes under Sustainable Development Goals Achievement Programme (SAP), and Public Sector Development Programme (PSDP) executed by CCD-I, Pak. PWD Quetta.
 - ii. Compilation of Monthly Progress Reports, Quarterly Reviews, and Mid-Year Reviews for projects under PSDP being executed by CCD-I, Pak. PWD, Quetta.
 - iii. Site visits, management of Measurement Books of projects under my supervision, and payments to contractors after detailed verification of work done.
 - iv. Updating Monthly progress Reports of PSDP projects being executed by CCD-I, Pak. PWD, Quetta on PMES.
 - v. Updating and forwarding PC-I's on iPAS portal to the SE concerned for approval.
 - vi. Attending Meetings of the Departmental Development Working Party (DDWP) of Ministry of Housing & Works.

- vii. Worked on the following PSDP projects during FY 2023-24:
 - a) PSDP # 492: Construction of Black Top Road Chinkindik to Maskeechah District Chaghi (**Rs. 415.846 Million**).
 - b) PSDP # 561: Construction of Black Top Road Sangetabad Via Zangi abad to Bhatoo Landhi, District Nushki (**Rs. 181.765 Million**).
 - c) PSDP # 569: Construction of Black Top Road 24 Km Lala Lehad Cross Via Humari Rosh Shob District Kalat Balochistan (Revised PC-1) (**Rs. 1000.000 Million**).
 - d) PSDP # 574 & 579: DEC Mastung & Lasbella (**Rs. 528.368 Million**).
 - e) PSDP # 597: Development Schemes in Kalat Surab & Mastung Districts (**Rs. 990.000 Million**).

Jan – Sep 2021 Compliance Monitor at Benazir Income Support Programme (BISP)

- I was posted at BISP Balochistan Regional Office at Quetta. During the course of my employment, I had the following responsibilities:
 - i. Creating user IDs of Compliance Monitors (CMs) and Waseela-e-Taleem District Coordinators (WDCs).
 - ii. Monitoring of Enrolment activities
 - iii. Identification of Enrolment discrepancies and course correction through CMs/WDCs.
 - iv. Assignment of schools to CMs for data collection on quarterly basis.
 - v. Monitoring of data collection activity on regular basis; validation of collected data through WDCs; resolution of day-to-day technical issues i.e. server, internet, mobile application, non-cooperation, change of school assignment etc.
 - vi. Preparation of quarterly reports on the basis of data analysis.
 - vii. Handling complaints of the beneficiaries regarding WeT programme.
 - viii. Processing of TA/DA claims made by the WDCs and CMs; processing of leave applications submitted through the system.
 - ix. Any other function and responsibility, which may be assigned by WeT management.

July 2019 – June 2020 Assistant Engineer at Mohiuddin & Sons (M & S) Construction

- My responsibilities as Assistant Engineer at Mohiuddin & Sons (M & S) Construction included:
 - i. Design and estimation;
 - ii. Site supervision;
 - iii. Quality assurance and quality control; and,
 - iv. Team management.

March – June 2019 Site Engineer at STARC Builders (Pvt.) Ltd.

- My responsibilities included:
 - i. Management of site operations and site supervision;
 - ii. Quality assurance and quality control;
 - iii. Ensuring the health and safety of the personnel at the site; and,
 - iv. Construction and client relationship management.
- Worked on the following projects:
 - i. Seven double-storey residential buildings and a five-storey commercial plaza at Sangjani, Rawalpindi;
 - ii. One-kanal residential building in Bahria Town, Islamabad; and,
 - iii. One-kanal, seven-storey commercial plaza at Bahria Town (Bahria Marina), Islamabad.

Sep 2018 – March 2019 **Engineering Intern at IMC Worldwide**

- Worked in the QA/QC team for Humqadam School Construction and Rehabilitation Program (Humqadam SCRP).
- Studied the BOQs, drawings and specifications in detail.
- Conducted site inspections to ensure that the civil works were being carried out as per the drawings and specifications.
- Prepared manuals to assist the other teams about how they can ensure the quality of civil works at the site

June – July 2016 **Engineering Intern at Earthquake Reconstruction and Rehabilitation Authority (ERRA)**

- Worked for two weeks in Abbottabad and two weeks in Muzaffarabad.
- Visited various construction sites in Balakot, Mansehra, Abbottabad, Muzaffarabad, Hatian Bala and Chakothi.
- Familiarized with the different engineering practices being employed to ensure the safety of structures in the earthquake prone regions.
- Acquainted with the ERM system being used for the monitoring and evaluation of the on-going projects.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Director Admin and Finance at NUST Science Society -Heading and mentoring the Admin and Finance team.	(2015 – 2017)
Director Marketing at NUST ICE Student Chapter -Responsible for leading the Marketing team	(2014 – 2016)
EVENT HEAD of NUST Science Society's Workshop Series. -Headed a team of 30 members.	(2015)

ACADEMIC PROFILE

2021 – 2025	MS Construction Engineering and Management (Coursework has been completed; research work in final stages) National University of Sciences and Technology (NUST), Islamabad
2013 – 2018	BE Civil Engineering National University of Sciences and Technology (NUST), Islamabad
Fall 2015	Exchange Semester in the US University of North Dakota, Grand Forks, ND
2011 – 2013	Intermediate Garrison Degree College, Quetta

AWARDS & ACHIEVEMENTS

- **GPA Merit Scholarship holder** for outstanding academic performance.
- **Best Executive of the Year** Award at NUST Science Society. (2015)
- **Talented Executive of the Year** Award at NUST Science Society. (2014)
- **Winners of the Indoor Soccer League** at UND. (2015)
- **Vice-Captain** of House Wolves in **SCEE Sports Gala'16**

ACADEMIC PROJECTS

- Final Year Project (BE): Use of Geo-synthetics in Pavement Construction for Subgrade Improvement.
- Website development in HTML and CSS.
- Development of a photomap of the Lake View.
- Plain Tabling and Contouring of NUST Institute of Civil Engineering.
- Road Alignment and Setting-out of Road Curves.
- Topographical Survey of NUST using Micro-Survey CAD.
- Cost estimation of a single-storey house.
- Scheduling of a project to be carried out in Gwadar, Balochistan.
- Designing a school using the ACI standards.
- Designing a signal using HCS2000 and Synchro.
- Designing a roadway using Eagle Point AutoCAD.
- Designing a four-storey carpark constructed using steel columns and beams.
- Planning a housing society according to 'National Reference Manual on Planning'.

SOFTWARE SKILLS

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|---------------------------|-----------|-----------------------|-----------|
| • Python | ■ ■ ■ □ □ | • Primavera P6 | ■ ■ ■ ■ ■ |
| • MATLAB | ■ ■ ■ □ □ | • ESRI ArcGIS | ■ ■ □ □ □ |
| • Auto-CAD | ■ ■ ■ ■ □ | • MS Office | ■ ■ ■ ■ □ |
| • Micro-Survey CAD | ■ ■ □ □ □ | • Eagle Point | ■ ■ ■ □ □ |
| • Synchro | ■ ■ □ □ □ | • HCS2000 | ■ ■ ■ □ □ |
| • ETABS | ■ ■ ■ □ □ | • SAP2000 | ■ ■ ■ □ □ |

VOLUNTEER WORK

- Participated in the **Clothesline Project** at University of North Dakota. (2015)
- Organized **Ralph Engelstad Arena Clean-up** at UND. (2015)
- Volunteered at **Valley Memorial Homes**. (2015)
- Participated in **Blood Donation Drive**. (2016)

WORKSHOPS

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| • HSE Workshop (2014) | • Poolman Leadership Academy (2015) |
| • MATLAB Workshop (2015) | • Learn Create Lead Entrepreneurial Conference (2013) |
| • Electrical and Mechanical Works (2018) | |

CERTIFICATIONS

- | | |
|--|---|
| • Construction Project Management
Columbia University Jan 2025 | • Project Management: Tools, Approaches, Behavioural Skills Specialization
Politecnico di Milano Apr 2025 |
| • Construction Scheduling
Columbia University Mar 2025 | • PMI-PMP® Certification Training Course
LearnKartS Mar 2025 |
| • Construction Cost Estimating and Cost Control
Columbia University Apr 2025 | • Siemens Mobility - Project Manager Job Simulation
Forage Mar 2025 |
| • Concrete Multi Storey Building - System Design Specialization
L&T EduTech Mar 2025 | • Planning & Control with Oracle Primavera PPM Professional Specialization
Packt Jan 2025 |
| • Designing for Greater Efficiency
IFC – World Bank Group Mar 2025 | |

- **AI For Everyone**
DeepLearning.AI | Jan 2025
- **Linear Regression and Modeling**
Duke University | Jan 2025
- **Supervised Machine Learning: Regression and Classification**
DeepLearning.AI | Feb 2025
- **Advanced Learning Algorithms**
DeepLearning.AI | Mar 2025
- **Introduction to Python**
Coursera | Dec 2024
- **Data Analysis with Python**
IBM | Feb 2025
- **Data Visualization with Python**
IBM | Mar 2025
- **Introduction to Data Analysis Using Google Spreadsheet**
Coursera | Oct 2021
- **Exploratory Data Analysis with Python and Pandas**
Coursera | Jan 2025
- **Getting Started with R**
Coursera | Jan 2025
- **Principal Component Analysis with NumPy**
Coursera | Feb 2025
- **Conducting Exploratory Data Analysis**
Coursera | Feb 2025
- **Generative AI for Everyone**
DeepLearning.AI | Mar 2025
- **GenAI for Executives & Business Leaders: An Introduction**
IBM | Mar 2025
- **GenAI for Execs & Business Leaders: Integration Strategy**
IBM | Mar 2025
- **GenAI for Execs & Business Leaders: Formulate Your Use Case**
IBM | Mar 2025
- **Navigating Generative AI: A CEO Playbook**
Coursera | Mar 2025
- **Generative AI: Introduction and Applications**
IBM | Mar 2025
- **Generative AI: Prompt Engineering Basics**
IBM | Mar 2025
- **Generative AI for Project Managers**
IBM | Mar 2025
- **ChatGPT for Beginners: Using AI for Market Research**
Coursera | Dec 2024
- **OpenAI for Beginners: AI Assistants for Project Managers**
Coursera | Jan 2025
- **Promptly for Beginners: Build a Generative AI App**
Coursera | Jan 2025
- **Introduction to Project Management with ClickUp**
Coursera | Oct 2021
- **Project Management: Creating the WBS**
Coursera | Oct 2021
- **Critical Path Analysis Using LucidChart**
Coursera | Oct 2021
- **Project Scheduling: Estimate Activity Durations**
Coursera | Oct 2021
- **Create a Project Charter with Google Docs**
Coursera | Oct 2021
- **Create a Project Management Tracker using Google Sheets**
Coursera | Oct 2021
- **Microsoft Project for Beginners: Create Simple Project Plans**
Coursera | Jan 2025
- **Copilot for Beginners: Create a PowerPoint Presentation**
Coursera | Jan 2025
- **Data Cleaning in Excel: Techniques to Clean Messy Data**
Coursera | Jan 2025
- **Microsoft Excel VBA and Macros**
Coursera | Feb 2025
- **Systems Thinking Basics**
Coursera | Feb 2025
- **Root Cause Analysis: Principles and Benefits**
Coursera | Feb 2025
- **Introduction to KPIs: Measuring Success in Business**
Coursera | Feb 2025
- **Discovering BI: From Warehousing to Interactive Dashboards**
Coursera | Feb 2025
- **Big Data Technologies and Applications**
Coursera | Mar 2025
- **Introduction to Carbon Reduction and Net Zero**
Coursera | Feb 2025
- **Value Stream Mapping**
Coursera | Mar 2025
- **Procurement for Governments**
Coursera | Mar 2025
- **The Art of Negotiation**
University of California, Irvine | Jan 2022
- **Analysing Complexity**
Macquarie University | Dec 2024
- **Evaluating Problems**
Macquarie University | Jan 2025
- **Creating Innovation**
Macquarie University | Feb 2025
- **Solving Complex Problems Specialization**
Macquarie University | Feb 2025