

Muhammad Ehtesham Khan

Planning Engineer

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PROFILE

A motivated and detail-oriented Planning Engineer with 8 years of experience in project scheduling, progress monitoring, and coordination within civil and infrastructure projects. My background in Electrical Engineering, supported by a Master's in Project Management, allows me to bridge technical planning with effective execution. I have contributed to complex civil projects such as pedestrian crossings and residential towers, assisting senior planners in maintaining project schedules and generating reports using Primavera P6 and MS Project. Known for my collaborative mindset, analytical skills, and proficiency with planning tools, I seek to bring value to a team-oriented environment where I can continue learning and supporting timely project deliver

WORK EXPERIENCE

United Maintenance & Contracting Company (UNIMAC)

Riyadh, Saudi Arabia

Planning Engineer

Aug, 2022 – April, 2025

- Developed and maintained **detailed project schedules** using Primavera P6 and MS Project for a civil infrastructure project involving **roadworks, pedestrian crossings, and public safety elements**
- Performed **critical path method (CPM)** analysis and time impact assessments to identify delays and develop recovery plans
- Coordinated with **PMC** and other local authorities for approvals and compliance across various stages of the project
- Performed **delay analysis (time impact technique)** and issued revised recovery plans contributing to recovery of **14% lost time** across key civil works
- Supported project managers by preparing **progress reports, dashboards, and look-ahead schedules** (2-week & 1-month), improving team visibility and accountability
- Monitored actual progress against planned progress, identifying deviations and issued **corrective actions reports**
- Generated **S-curves, manpower & resource histograms, procurement logs, and shop drawing logs**
- Prepared **project progress reports** (Daily, Weekly and Monthly)
- Close coordination with procurement team for **timely delivery of materials** and maintaining procurement log
- Collaborated closely with cross-functional civil teams, site engineers, and stakeholders to ensure aligned schedule execution

Key Projects: 1. Riyadh Metro L2–L6 & BRT Corridor

Client: Arriyadh Development Authority (ADA)

Scope: Roads, bridges, utilities, stations, and transit accessways

2. Speedpark & Diriyah Gate roads

Client: Qiddiya Investment Co. & Diriyah Gate Dev. Authority

Scope: King Khalid road infrastructure & Qiddiya racetrack earthworks

Desert Wave Construction Co. LTD
Yanbu, Kingdom of Saudi Arabia

Planning Engineer

Dec, 2019 – Jul, 2022

- Detailed study of **project contract documents (Charter)**, IFC drawings, and develop project baseline as per project requirements
- Resource calculations and loading on **Baseline schedule**
- Developed **work breakdown structure (WBS)** and codification of activities as per client
- Planning, **scheduling, updating and controlling** the project baseline with coordination of project team
- Updated baseline schedules on weekly and monthly basis as per per client/consultant requirements
- Prepared **weekly progress presentations**
- Coordination with procurement team for **timely materials delivery** on site
- Preparation of **recovery/mitigation plans** with proposed corrective actions to follow
- Provided **1 month look ahead schedules** in line with project baseline and available resources

Global Tech
Islamabad, Pakistan

Junior Planning Engineer (Civil Projects)

Jul, 2016 – Nov, 2019

- Supported senior planners in **preparing and maintaining project schedules** (Primavera P6 & Excel) for civil infrastructure and MEP integrated buildings, totaling over **PKR 3 billion**.
- Assisted in monitoring project progress and updating schedules based on site inputs, material delivery, and subcontractor feedback
- Collaborated with project managers, engineers, and site teams to align planning outputs
- Coordinated with engineering teams for timely submission of design calculations, drawings etc
- Participated in delay analysis efforts, supporting the development of mitigation strategies and time extension claims(EOT)
- Contributed to progress reports (Daily, Weekly, Monthly) and generated S-curves, Gantt charts, and performance dashboards
- Close coordination with procurement team for **timely materials delivery** onsite
- Created 1 month **Look ahead schedules**

Key Projects: 1. KAUR Complex, Peshawar. 600+ residential units with commercial base (MEP + Structure)

2. Hotel One, Islamabad. Mid-rise hospitality tower with integrated services

3. Afridi Medical Complex. Healthcare facility with complex MEP layouts. Site location: Peshawar, Pakistan

EDUCATION

Institute: Bahria University

Islamabad, Pakistan

Degree: Masters in Project Management

2018 – 2019

Relevant Coursework: Project Schedule Management, Resource Management, Cost Management, Stakeholder Management, Procurement Management, Quality Management, Project Monitoring, Evaluation and Control Management, and Risk Management.

Project: Salsabil Field Oil and Gas Production by Dewan Petroleum using Primavera p6

Key Competencies & Skills

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| ➤ Project Scheduling & Progress Monitoring (Primavera P6, MS Project) | ➤ Gantt Charts, Look-Ahead Planning |
| ➤ Work breakdown structure (WBS) | ➤ Procurement & Resource Coordination |
| ➤ Critical Path Method (CPM) & Delay Analysis | ➤ Construction planning and coordination |
| ➤ Progress Reporting, Dashboards & S-Curves | ➤ Stakeholder reporting and dashboards |
| ➤ Planning Tools & Project Control Techniques | ➤ Communication & Team Collaboration Skills |
| ➤ Strong Problem Solving skills | ➤ Strong Analytical & Organizational Abilities |
| | ➤ Collaboration with Engineering & Site Team |

Tools: Primavera P6, MS Project, Excel, Power BI, Autocad, Trello, JIRA

LICENSE & CERTIFICATIONS

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| • Primavera P6 Project Planning and Scheduling Masterclass | • Project Management Professional (PMP) (In Process) |
| • Construction Project Management by Planning Engineer FZE | • Registered Engineer - Pakistan Engineering Council (PEC) - ELECT/58261 |
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