



# MAINTENANCE PLANNING & SCHEDULING BASICS

BUILDING COMPETENCE, INSPIRING CONFIDENCE

# Overview

Maintenance Planning & Scheduling (P&S) plays a vital role in organizing maintenance activities to enhance equipment reliability, overall productivity, profitability, and safety performance.

Understanding P&S processes enables Engineers to measure the effectiveness of maintenance activities against defined timelines and available resources.

## Course Purpose:

This course equips young Engineers with essential knowledge to:

- Plan and execute maintenance work efficiently
- Optimize future planning for improved results
- Apply systematic scheduling to enhance operational reliability and plant performance

## Why Us:

We deliver industry-focused training that empowers professionals and organizations to achieve operational excellence. Each program is customized to client needs, ensuring practical relevance and measurable results.

Our expert trainers bring real-world insights, industrial case studies, sharing their experiences and best practices to every session. We create engaging, actionable learning experiences that bridge the gap between theory and practice.



# Course Outline

## Topic 1

### Introduction to Planning & Scheduling (P&S)

Definition, concepts, and understanding of planning and scheduling processes.

## Topic 2

### Objectives of Planning & Scheduling

Improving reliability, productivity, profitability, and minimizing downtime and unplanned work.

## Topic 3

### Application to Maintenance Work

Practical use of P&S for routine maintenance, shutdowns, and turnarounds.

## Topic 4

### Outsourcing or Contracted Services

Criteria for contracting maintenance work and benefits of outsourcing.

## Topic 5

### Execution and Evaluation

Implementation of planned activities and evaluation for continuous improvement.

## Topic 6

### Plant Turnaround/Shutdown Planning and Monitoring

Coordinating & monitoring shutdown plans, timelines, resources, & performance visibility for senior management.

# Trainers



**Mr. Shahid Ahmed**

**Senior Trainer & Consultant**

Mr. Shahid Ahmed, a Mechanical Engineer, began his career at National Fertilizer Corporation before joining Fauji Fertilizer Company Ltd (FFC), where he served for 30 years and rose to Senior Manager Maintenance. As Head of Maintenance, he led all maintenance operation for dual Ammonia-Urea trains, developing strategies to enhance equipment reliability, optimize costs, and extend asset life. Renowned for his leadership and technical expertise, he trained numerous Engineers and fostered high performing teams. His core strengths include preventive maintenance planning, shutdown execution, inventory and asset management, safety compliance, and vendor negotiation. He presented a technical paper at the AIChE Forum in Boston and holds certifications in Strategic Planning (University of Michigan) and Negotiation Strategies (Harvard Law School).



**Mr. Mansoor Ahmed**

**Senior Trainer & Consultant**

Mr. Mansoor Ahmed is a seasoned Mechanical Engineer with over 35 years of leadership experience in industrial maintenance and plant operations. At Fauji Fertilizer Company (FFC), he spent more than 25 years in key roles, including Planning Manager & Maintenance Manager, where he led major turnarounds, shutdowns, and critical equipment repairs. He also served as Assistant Works Manager at Heavy Industries Taxila. With a B.E. in Mechanical Engineering, an MBA in Marketing, and a Diploma in Chinese Language, he has further enhanced his expertise through international certifications and leadership training from China, the Netherlands, Turkey, Malaysia, Singapore, IBA Karachi, and LUMS. Known for his strategic planning, mentorship, and strong operational command, he is widely respected for his contributions to plant reliability and team development.

# Logistics

## Duration

2 days

## Location

At Client's Site / Lahore

## Training Instructors

Mr. Shahid Ahmed | Mr. Mansoor Ahmed

Get in Touch

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