

CMPS CERTIFICATE IN MAINTENANCE PLANNING AND SCHEDULING

→ Introduction

→ Operational Excellence.

→ Business pyramid

→ Maintenance Management Definition

→ Reliability Centered maintenance.

→ Types of Asset Maintenance Strategies.

→ Definition of Planning.

→ Definition of Scheduling

→ Planning concepts:

- Planning Concept 1: Planners are a separate Group.
- Planning Concept 2: Planners focus on future work.
- Planning Concept 3: Planners work on asset component level.

→ Scheduling Concepts:

- Scheduling Concept 1: Schedules are based on minimum required skills.
- Scheduling Concept 2: Schedules are based on work priorities.
- Scheduling Concept 3: weekly schedule intervals.

→ Planning Process of Maintenance Work Order

• Work Order system.

• WO main steps.

• WO work flow.

– Normal WO.

– Urgent WO.

– PM WO.

- Planning work process.
- WO Scoping tips.
- Setting a detailed plan.
 - How much details required.
 - Time ad cost estimates.
 - Parts and tools.
 - Job safety.
 - WO closing and feedback.
- Scheduling Process of Maintenance Work Order
 - Weekly Schedule.
 - Daily Schedule.
 - Daily routine activities.
 - Staging of parts and tools.
 - Daily job assignment.
 - Work permits.
 - Outage Management
 - Types of Plant outages.
 - Maintenance Performance Metrics (KPIs)
 - PM vs. CM work orders.
 - Schedule Compliance.
 - Backlog Indicator.
 - MTBF and MTTR.
 - Performance Reporting.
 - Performance Analysis.
 - Bad Actors.
 - Improvement cycle.
 - CMMs Transactional Codes
 - Work order types.
 - Work Order Priorities.

→ Activity Types.

→ Technical completion.

→ Data Quality

→ Success Factors:

- WO System

- Historical data quality.

- Culture and leadership.

- Reliability Program.

- Work process and RACI Matrix.

- KPI dashboard.

→ Group Discussion and feedback

→ Summary and Conclusion

→ Course Assessment.