

# **Maintenance Planning and scheduling**

## **Technical Proposal Scope**

training course addresses the needs of a diverse audience with an interest in All activities involved in keeping a system in working order, including:

- **Operation Engineers who have oversight responsibility for Plant operations**
- **Maintenance Engineers with direct line responsibility as well as staff support responsibility for delivering on effective Plant Maintenance**
- **Plant Start-up and Commissioning Managers and Engineers**
- **Technical personnel & supervisors involved in supporting Plant Start-up, Maintenance, and shutdown**

## **Terms To Understand**

- 1. Maintenance Leader Features**
- 2. Maintenance Definitions**
- 3. Management Definitions**
- 4. Road map of maintenance policies**
- 5. Maintenance Planning**
  - 1. Planning & scheduling**
  - 2. Network diagram**
  - 3. Critical path**
  - 4. Cost Profile**
  - 5. Case study using Microsoft project.**
  - 6. RACI Matrix**
- 6. Maintenance Budget**
  - 1. Net Present Value**

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# Maintenance Planning and scheduling

2. Return on net assets.
3. Return on capital employed.
4. Replacement Asset Value
5. MRO Vs RAV
6. Maintenance Cost
7. Key performance indicators
  1. RAMS
  2. MTBF, MTTR , MTTA, MTTF, MTBMA & MMT
  3. Corrective maintenance cost
  4. Preventive maintenance hours
  5. Condition based maintenance hours
  6. Maintenance Shutdown cost
  7. Planned Work
  8. Actual cost to planning estimate
8. Manage resources and material
  1. Control material inventory
  2. Manage spares and equipment
  3. Establish MRO Procurement process

## Technical Proposal

### Outline

- Maintenance Management
- Maintenance Policies
- Planned Maintenance
- Maintenance Cost Management
- Spare Parts level control management
- RAMS (Reliability-Availability-Maintainability-Safety)
- Maintenance Control (KPIs)
- Shutdown Planning
- Case Studies

## Financial Proposal

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# **Maintenance Planning and scheduling**

- Total number of course days are 3 days --8 Hours / Day
- Total course hours are 24 hours
- The course includes 30 minutes break each session

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