ADVANCED MAINTENANCE PLANNING AND SCHEDULING TECHNIQUES
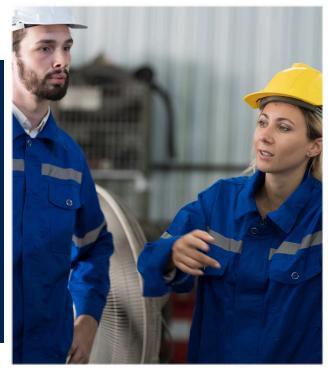
ADVANCED MAINTENANCE PLANNING AND SCHEDULING TECHNIQUES

OVERALL DESCRIPTION:

This course is your opportunity to shift from chaos to control. We'll equip you with the advanced strategies and practical skills needed to transform your maintenance department from a reactive unit into a strategic asset. You will learn to create a proactive, data-driven system that not only minimizes unexpected breakdowns but also significantly boosts operational efficiency, enhances safety, and directly impacts your organization's bottom line.

Course Objectives:

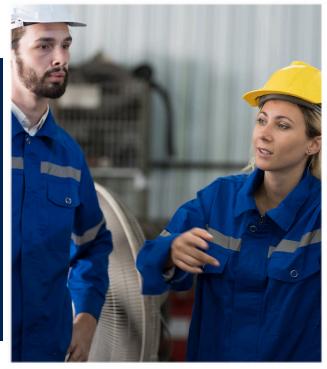**Upon completion of this course, participants will have the knowledge and skills to:**

- Develop and implement a comprehensive maintenance work management process that aligns with business goals.
- Master advanced job planning techniques, including task definition, resource loading, and accurate time estimation.
- Optimize scheduling to reduce backlog, improve wrench time, and maximize equipment availability.
- Leverage key performance indicators (KPIs) and data analytics to drive continuous improvement and demonstrate value.
- Strategically integrate technology, such as your Computerized Maintenance Management System (CMMS), to streamline workflows and enhance decision-making.

Course Outline:

The Strategic Planner's Mindset
- Aligning Maintenance with Business Objectives
- The Role of the Planner/Scheduler in the Modern Organization
- Understanding the Five Pillars of Maintenance and Reliability

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Course Outline:

Advanced Planning and Job Scoping
- Best Practices in Work Order Management
- Developing Detailed Job Plans and Standard Procedures
- Resource and Material Management Optimization

Dynamic Scheduling and Execution
- Effective Backlog Management and Prioritization
- Advanced Scheduling Techniques (e.g., Critical Path Method)
- Planning and Coordinating Major Turnarounds and Shutdowns

Performance Measurement and Continuous Improvement
- Using Key Performance Indicators (KPIs) to Drive Results 📊
- Root Cause Analysis (RCA) and Reliability-Centered Maintenance (RCM) Principles
- Auditing and Improving the Planning and Scheduling Process

Technology and the Future of Maintenance
- Optimizing Your CMMS/EAM System
- Leveraging Mobile Technology and IoT for Field Work
- Preparing for Predictive Maintenance and AI in Maintenance

WHO SHOULD ATTEND?

This course is ideal for experienced professionals seeking to elevate their skills, including:
- Maintenance Planners and Schedulers
- Maintenance Supervisors and Foremen
- Maintenance and Reliability Engineers
- Maintenance and Operations Managers
- Professionals involved in improving asset management and operational efficiency.

Course Methodology:

We utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This training course will be conducted as a highly interactive workshop session. A variety of training methodologies will be used Before and during the course whenever applicable. Some of these methods are gamification, online pre-post test, role plays, self-assessment instruments, group exercises & case studies.