Consulting and Training | Reach New Heights

Course Name

CMMS Implementation, Evaluation and Optimization Techniques

Sector Name

Maintenance & Reliability Management

Document Type

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CMMS Implementation, Evaluation and Optimization Techniques

Course Introduction

A Computerized Maintenance Management System (CMMS) usually consists of a hardware solution and a software package that allows an organization to manage the maintenance of equipment and facilities. Use of a CMMS package should improve productivity, lower overall operating costs, and store valuable information about maintenance functions in an organization.

CMMS system

This course will bring you knowledge about the basics, how to choose the proper CMMS system, how to run it and evaluate it, and how to prove it against failure. This course presents the basics of modern maintenance management methodologies as the foundation of CMMS implementation. It will also present objectives, benefits, and features of a Computerized Maintenance Management System (CMMS). Participants will learn how to develop system specifications for their application as well as how to justify, evaluate, implement, audit, and optimize a CMMS. As an integral part of the course, real-world exercises are included to help understand the material covered and to better apply course content at a future time.

Real benefits from a CMMS.

This course will help to understand how this technology can help you improve maintenance productivity, equipment quality, and provide better service to other departments, all while reducing the maintenance operations cost. Whether the participant is implementing a CMMS or whether they already have a system that is not working optimally, this is a practical and hands-on course designed for key people in the team to ensure they are on the right track to gain real benefits from a CMMS.

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Target Audience

- ✓ Facilities Engineer
- ✓ Facilities Engineering Manager
- ✓ Facilities Manager
- ✓ Facilities Specialist / Coordinator
- ✓ Health and Safety Engineer
- ✓ Maintenance Group Leader
- ✓ Maintenance Helper / Assistant
- ✓ Maintenance Manager
- ✓ Maintenance Superintendent
- ✓ Maintenance Supervisor
- ✓ Mechanical Reliability Engineer
- ✓ Network Reliability Engineer
- ✓ Operations and Maintenance Specialist
- ✓ Reliability Engineer

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Learning Objectives

- ✓ Understand the Fundamentals and Basics of Maintenance Management.
- ✓ Turn Maintenance into a Profit Center and achieve benefits for the organization.
- ✓ Identify Key Modules of CMMS and how to select the proper CMMS program.
- ✓ Identify Optional Features of CMMS and their Accessories.
- ✓ Understand how Advanced Technologies apply to CMMS
- ✓ Understand the Objectives, Features, and Benefits of CMMS
- ✓ Justify a CMMS and develop System Specifications
- ✓ Evaluate and select how to implement a CMMS

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Course Outline

✓ 01 DAY ONE

Module (01) Modern Maintenance Management

- ✓ Introduction and Definitions
- ✓ The Different Routes
- ✓ The Maintenance Professionals Tool Box
- ✓ Basics of Outsourcing
- ✓ Basics of Statistics

Module (02) Overview of CMMS

- ✓ CMMS Modules
- ✓ Equipment Management
- ✓ Preventive Maintenance (PM)
- ✓ Labor Utilization
- ✓ Planning/Scheduling
- ✓ Vendor
- ✓ Inventory Control
- ✓ Purchasing and Budgeting
- ✓ Additional features
- ✓ Emerging technologies
- ✓ Machine Replacement Analysis
- ✓ Economic life of a new machine
- ✓ Existing machine’s economic life

✓ Using Mobile in Conjunction with CMMS

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Course Outline

✓ 02 DAY TWO

Module (03) Justification for CMMS

- ✓ Roadblocks to CMMS Acquisition
- ✓ Step-by-Step Process
- ✓ Form a Team
- ✓ Identify Problems with the Present System
- ✓ Determine Objectives, Features, and Benefits
- ✓ Financial Analysis
- ✓ Savings
- ✓ Cost Estimates
- ✓ Set up Key Performance Indicators (KPIs)

Module (04): Specify, Evaluate, and Select a CMMS

- ✓ In-House Development
- ✓ Purchase Ready-Made Software
- ✓ Step-by-Step Process
- ✓ Form a Team
- ✓ Determine the Objectives
- ✓ Identify the Hardware Alternatives
- ✓ Develop the System Specifications

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Course Outline

✓ 03 DAY THREE

Module (05) How to implement a CMMS

- ✓ Why So Many CMMS Projects Fail
- ✓ Step-By-Step for Implementing a CMMS Project
- ✓ Form a Team
- ✓ Management commitment
- ✓ Prepare for change
- ✓ Order software/hardware
- ✓ Define the scope of the project
- ✓ Planning
- ✓ Training
- ✓ Installation and configuration
- ✓ Data Gathering
- ✓ Data Entry
- ✓ Follow-up/monitoring
- ✓ A Case Study: CMMS Implementation

Module (06) How to Audit/Optimize YOUR CMMS

- ✓ Introduction
- ✓ How to Use This Audit
- ✓ Audit Results
- ✓ Conclusion

✓ CMMS Survey

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Course Outline

✓ 04 DAY FOUR

Module (07) Turn Maintenance into a Profit Center

- ✓ The Maintenance Image
- ✓ Cost Center versus Profit Center Approach
- ✓ How to Turn Maintenance into a Profit Center
- ✓ How can a CMMS help?
- ✓ Profit-Driven Maintenance (PDM)

Module (08) Optimum Reliability Allocation

- ✓ Cost/Feasibility Functions
- ✓ Determining Component Reliabilities
- ✓ Specifying Component Reliabilities
- ✓ Availability Definitions
- ✓ Introduction to Maintainability

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Course Outline

✓ 05 DAY FIVE

Module (09) Advanced Simulation Options

- ✓ Adding Crews to the Analysis
- ✓ Adding Spare Part Pools to the Analysis
- ✓ Utilizing “Corrective”, “Preventive”, and Inspection Actions with associated Policies

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Nov. 22, 2026	Nov. 26, 2026	5 days	4250.00 $	Oman , Muscat
May 3, 2027	May 7, 2027	5 days	4250.00 $	UAE , Dubai
Nov. 23, 2026	Nov. 27, 2026	5 days	4250.00 $	UAE , Dubai
March 14, 2027	March 18, 2027	5 days	4250.00 $	KSA , Riyadh
Aug. 2, 2027	Aug. 6, 2027	5 days	4950.00 $	Spain , Madrid

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