



*Training Course:
Computerized Maintenance Management System
(CMMS)*

20 - 24 October 2024

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Computerized Maintenance Management System (CMMS)

Training Course code: SC235501 From: 20 - 24 October 2024 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 3575 € Euro

Introduction

The advent of the Computerized Maintenance Management System CMMS has revolutionized the way organizations manage their maintenance activities. In an era where operational efficiency and asset management are paramount, CMMS serves as a critical tool to streamline maintenance processes, enhance productivity, and reduce operational costs. This comprehensive training program is designed to provide participants with an in-depth understanding of CMMS, its functionalities, and how it can be leveraged to optimize maintenance operations.

This program delves into the core aspects of CMMS, covering both theoretical knowledge and practical applications. Participants will explore how CMMS can be utilized to manage work orders, schedule preventive maintenance, track asset history, and ensure compliance with regulatory standards. The training will also emphasize the strategic importance of CMMS in supporting decision-making, improving equipment reliability, and extending the lifespan of assets. By the end of this training, participants will be equipped with the skills and knowledge required to effectively implement and manage a CMMS in their organization, driving significant improvements in maintenance operations and overall organizational performance.

Objectives

- To provide a comprehensive understanding of the key concepts, components, and functionalities of CMMS.
- To demonstrate the practical application of CMMS in managing maintenance activities, including work orders, preventive maintenance, and asset tracking.
- To highlight the strategic role of CMMS in enhancing operational efficiency, reducing downtime, and extending asset lifespan.
- To equip participants with the skills necessary to configure, implement, and manage a CMMS tailored to their organization's specific needs.
- To foster an understanding of the integration of CMMS with other enterprise systems, such as ERP and SCADA, for holistic asset management.
- To enhance participants' ability to analyze maintenance data and generate reports for informed decision-making.

Organizational Impact of the Course

- **Increased Operational Efficiency:** Implementing CMMS will streamline maintenance processes, reduce downtime, and ensure that all maintenance tasks are performed promptly and effectively.
- **Cost Savings:** By optimizing maintenance activities, organizations can significantly reduce maintenance costs, avoid unnecessary repairs, and extend the life of critical assets.
- **Improved Compliance:** CMMS helps organizations adhere to industry regulations and standards by providing accurate records and ensuring that maintenance tasks are carried out according to regulatory requirements.
- **Enhanced Asset Management:** With CMMS, organizations can track the performance and condition of assets, allowing for better planning and execution of maintenance tasks and extending the useful life of assets.
- **Data-Driven Decision Making:** CMMS provides detailed data and analytics that help management make

informed decisions regarding maintenance strategies, resource allocation, and investment in new technologies.

Personal Impact of the Course

- **Enhanced Skill Set:** Participants will gain valuable technical and managerial skills related to the implementation and use of CMMS, increasing their professional value.
- **Career Advancement:** Mastery of CMMS can open up new career opportunities in maintenance management, asset management, and operations.
- **Increased Efficiency:** By understanding how to use CMMS effectively, participants can perform their maintenance roles more efficiently and with greater accuracy.
- **Better Problem-Solving Abilities:** The course will enhance participants' ability to diagnose issues, plan maintenance activities, and implement solutions using CMMS.
- **Confidence in Using Technology:** Participants will become proficient in using CMMS technology, enabling them to confidently manage maintenance tasks and contribute to organizational goals.

Target Audience

- **Maintenance Managers and Supervisors:** Responsible for overseeing maintenance activities and ensuring the effective use of resources.
- **Facility Managers:** In charge of maintaining building systems, equipment, and infrastructure.
- **Operations Managers:** Interested in integrating maintenance activities with overall operational strategies.
- **IT Professionals:** Involved in the implementation, integration, and support of CMMS software.
- **Engineers and Technicians:** Responsible for executing maintenance tasks and ensuring the reliability of equipment.
- **Asset Managers:** Focused on the management and optimization of physical assets within the organization.
- **Consultants and Analysts:** Specializing in maintenance and asset management solutions.

Training Outline

Day 1: Introduction to CMMS and Its Strategic Importance

- **Overview of Maintenance Management:** Traditional vs. modern approaches.
- **Introduction to CMMS:** Definition, history, and evolution.
- **Key Components of CMMS:** Work orders, asset management, inventory control, and reporting.
- **Strategic Role of CMMS:** Enhancing operational efficiency and asset management.
- **Case Studies:** Success stories of CMMS implementation in various industries.

Day 2: Core Functions of CMMS

- **Work Order Management:** Creation, scheduling, tracking, and closing of work orders.
- **Preventive Maintenance PM:** Planning, scheduling, and executing PM activities.
- **Asset Management:** Tracking asset performance, history, and life cycle.
- **Inventory Management:** Managing spare parts, tools, and materials.
- **Introduction to Predictive Maintenance:** Using CMMS for predictive maintenance strategies.

Day 3: CMMS Implementation and Configuration

- **Planning for CMMS Implementation:** Needs assessment and project planning.
- **System Configuration:** Customizing CMMS to fit organizational needs.
- **Data Migration:** Importing existing data into the CMMS.

- User Roles and Permissions: Setting up user access and security protocols.
- Training and Change Management: Ensuring a smooth transition to CMMS.

Day 4: Integrating CMMS with Other Systems

- ERP Integration: Linking CMMS with Enterprise Resource Planning systems.
- SCADA and IoT Integration: Using CMMS with real-time monitoring systems.
- Mobile Access: Implementing CMMS on mobile devices for field operations.
- Data Analytics and Reporting: Generating and interpreting CMMS reports.
- Compliance Management: Ensuring regulatory compliance through CMMS.

Day 5: Advanced CMMS Features and Best Practices

- Advanced Analytics: Leveraging CMMS data for strategic decision-making.
- Machine Learning and AI in CMMS: Future trends and applications.
- Best Practices in CMMS Implementation: Lessons learned from successful deployments.
- Troubleshooting and Maintenance: Addressing common challenges and solutions.
- Capstone Project: Participants present a plan for CMMS implementation or optimization within their organization.

Registration form on the Training Course: Computerized Maintenance Management System (CMMS)

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