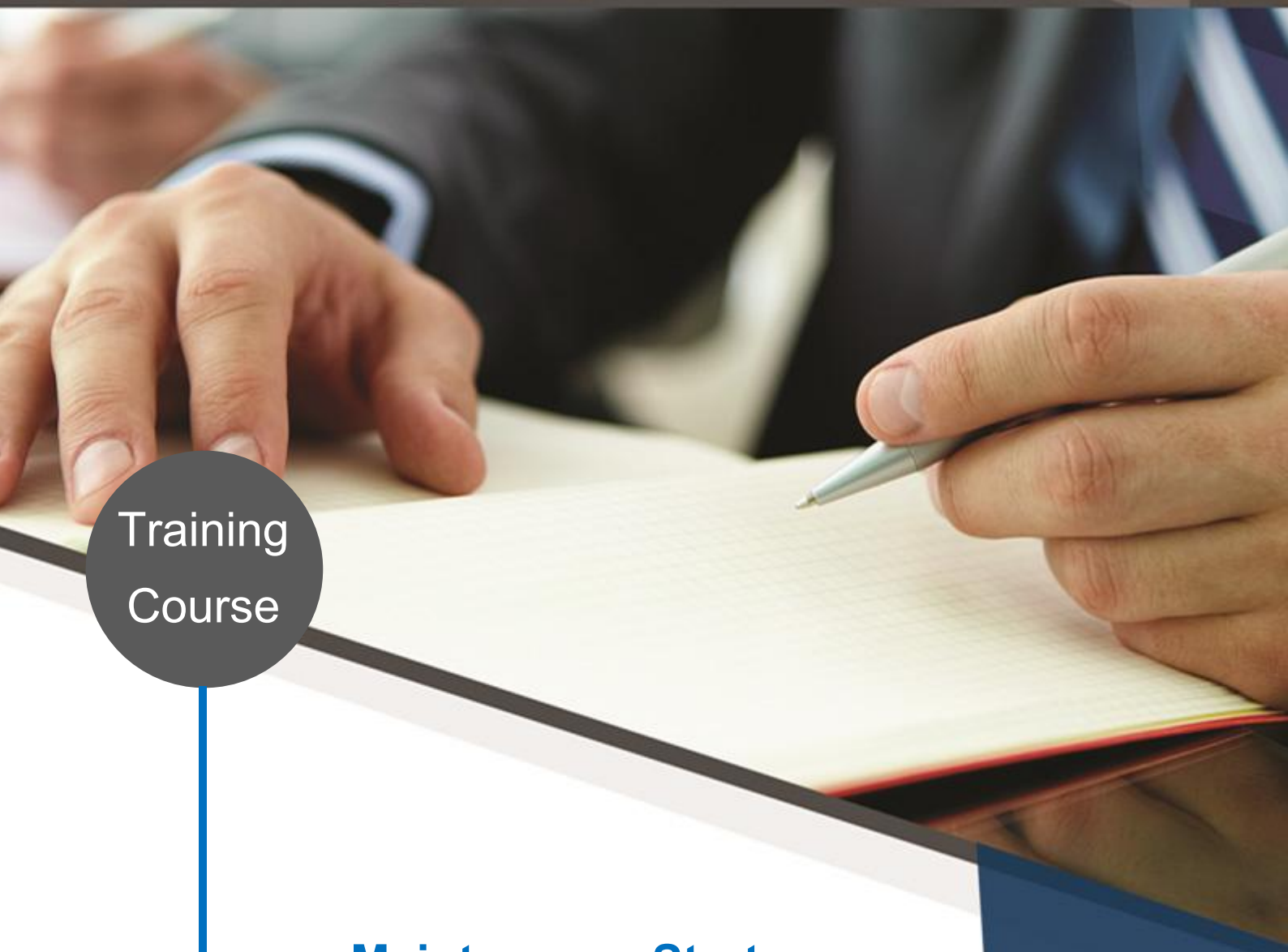
Skills International for Training & Consulting



Training Course

Maintenance Strategy Development and Cost-Effective Implementation

Skills International for Training & Consulting

سكلز الدولية للتدريب والإستشارات

Course Plan

Introduction

In today's competitive industrial and operational environments, effective maintenance is no longer just a technical function—it's a strategic necessity. This course, Maintenance Strategy Development and Cost-Effective Implementation, equips participants with the knowledge and tools to design, develop, and execute maintenance strategies that reduce downtime, optimize asset performance, and minimize costs. Through real-world case studies, interactive sessions, and industry best practices, attendees will gain practical insights into aligning maintenance activities with organizational goals.

Course Objectives:

- ✓ Understand the fundamentals of maintenance management and strategy development.
- ✓ Differentiate between various maintenance approaches (reactive, preventive, predictive, etc.).
- ✓ Analyze asset criticality and prioritize maintenance efforts.
- ✓ Develop and implement customized maintenance strategies.
- ✓ Apply cost-benefit analysis to evaluate maintenance options.
- ✓ Use key performance indicators (KPIs) to measure maintenance effectiveness.
- ✓ Integrate technology and digital tools into maintenance planning.
- ✓ Ensure alignment between maintenance, operations, and business objectives.

Who Should Attend?

- Maintenance engineers and managers
- Plant and facility managers
- Reliability engineers
- Operations and production supervisors
- Asset management professionals
- Technical consultants in industrial sectors
- Engineering team leaders and planners

Training Methods:

- ✓ Online Video material.
- ✓ Presentation.
- ✓ Live Interactive sessions.
- ✓ Course presenter will make extensive use of all tools that will be needed for the virtual environment.
- ✓ Questions & Answers

Course Outline:

Day One

- Introduction to Maintenance Management
- Role of Maintenance in Asset Performance
- Maintenance Strategy Types (Reactive, Preventive, Predictive, Proactive)
- Reliability-Centered Maintenance (RCM)
- Total Productive Maintenance (TPM) Overview

Day Two

- Condition-Based and Risk-Based Maintenance
- Asset Criticality Assessment and Equipment Classification
- Failure Mode and Effects Analysis (FMEA)
- Developing a Maintenance Policy
- Planning and Scheduling of Maintenance Tasks

Day Three

- Budgeting and Cost Control in Maintenance
- Life Cycle Cost Analysis (LCCA)
- Maintenance Optimization Techniques
- Use of CMMS (Computerized Maintenance Management Systems)
- Data-Driven Decision Making in Maintenance

Day Four

- Key Maintenance KPIs and Performance Metrics
- Spare Parts Management and Inventory Control
- Human Factors in Maintenance Planning
- Outsourcing vs In-house Maintenance Decisions
- Integration of IoT and Smart Sensors in Maintenance

Day Five

- Safety Considerations in Maintenance Operations
- Change Management for Maintenance Strategy Implementation
- Case Studies: Successful Maintenance Strategies
- Auditing and Improving Existing Maintenance Practices
- Developing a Long-Term Maintenance Roadmap

Training Details

Course Duration	5 Days
Pre-Schedule	23 – 27 March 2026
Venue	Istanbul - Ramada Plaza by Wyndham Istanbul City Center
Training Fees Per Person	KWD 1500 (One Thousand Five Hundred Only)
Course Fees Include	✓ Tuition documentation ✓ Curriculum and Training Handout ✓ Five star Lunch ✓ Completion Certificates ✓ Lunch Included