Project &Quality Management · PQ250

Project Quality Management

Applying Core Concepts for Building Quality into Your Projects

Category	Ref	Language
Project &Quality Management	**PQ250**	**English**

Certificate

Certificate of attendance

Introduction

Delivering high-quality project outcomes is critical to an organization's survival and prosperity in today's fiercely competitive and rapidly changing business environment. Managers are constantly striving to deliver high-quality results while minimizing costs and delays.
This Project Quality Management workshop will provide participants with the essential management skills, tools, and methodologies required for effective delivery of top-quality project outcomes. It is designed to provide a comprehensive overview of quality management in projects with a careful balance of quantitative and qualitative considerations.

This workshop will feature:

- An Overview of Key Project Quality Management Concepts
- The Concepts, Tools, and Techniques involved in Quality Planning and Control in conjunction with the Critical Path Method and other proven Project Management Methodologies
- An Introduction to Statistical Process Control Tools
- An Overview of Typical Project Problems and methods for Mitigation
- An Overall specialization in Benefits Realization from Project Conception to Completion

Course Objectives of Project Quality Management Workshop

By the top of this workshop, participants are going to be able to:

- Define what Quality means
- Understand the importance of deliberate quality management processes in projects and integrate quality in project initiation, planning, execution, control and completion
- Identify and document quality requirements and standards for the project and merchandise
- Apply cost-benefit analysis, cause and effect diagrams, control charts, and other tools in project planning and control
- Apply basic statistical internal control concepts
- Implement effective quality assurance and control
- Be ready and conduct quality audits
- Effectively manage stakeholders to make sure their satisfaction with the project results

- Improve the standard climate and culture across the project life cycle

Course Methodology of Project Quality Management Workshop

This Project Quality Management Workshop will utilize a spread of proven highly interactive adult learning techniques to make sure maximum understanding, comprehension and retention of the knowledge presented. This includes facilitated group and individual exercises, case studies, simulations, and videos. the trainer also will facilitate learning by encouraging the delegates to check and critically appraise any theories and ideas on the workshop.

Target Audience of Project Quality Management Workshop

This Project Quality Management Workshop is suitable to a good range of project management professionals and people individuals who are involved in or manage internal and external projects both within the private and public sector. Some prior knowledge of quantitative chemical analysis techniques is useful, however not required as all tools and methodologies are going to be covered ranging from the fundamentals.

Course Outlines

Day 1

Introduction to Project Quality Management

- Understanding Quality Management in Projects and Operations
- Differentiating Quality from Grade, Accuracy from Precision
- Key Quality Management Concepts and Principles
- Cost of Quality Analysis
- Integrating Quality into Project Life Cycle
- Defining Projects and Collecting Requirements
- Developing Project Charter and Scope Management Plan
- Stakeholder Management for Quality Outcomes

Day 2

Quality Planning

- Work Breakdown Structure (WBS) and Requirement Traceability Matrix (RTM)
- Project Scheduling with Critical Path Method (CPM) and Gantt Chart
- Resource Allocation for Timely Deliverables
- Basic Statistics for Project Planning and Control
- Estimating and Budgeting for Quality Management
- Developing Quality Metrics and Checklists
- Creating a Comprehensive Project Plan

Day 3

Quality Assurance and Control Techniques

- Implementing Quality during Project Execution
- Ensuring Responsibility for Quality Throughout the Team
- Defining Quality Standards and Metrics
- Monitoring and Controlling Project Quality
- Introduction to Statistical Process Control (SPC) Tools

- Managing Scope and Preventing Creep
- Conducting Quality Audits and Acceptance
- Project Closure and Lessons Learned Reviews

Day 4

Foundation Concepts of Quality Management

- Defining Quality in Various Contexts
- Customer and Financial Focus in Quality Management
- Principles of Quality and Process Management
- Understanding the Cost of Quality

Day 5

Managing Quality Processes

- Process Management Fundamentals
- Process Mapping and Analysis Techniques
- Value Stream Mapping for Process Optimization
- Standardization and Visual Workplace Techniques
- Error Proofing (Poka-Yoke) Methods
- Failure Mode and Effect Analysis (FMEA)

Day 6

Statistical Process Control (SPC) Tools

- Pareto Analysis for Identifying Key Issues
- Cause-and-Effect Diagrams for Root Cause Analysis
- Histograms and Scatter Diagrams for Data Analysis
- Process Control Charts for Monitoring Variations
- Process Capability Analysis for Quality Improvement

Day 7

Quality Documentation and Reporting

- Developing Quality Documentation Standards
- Documenting Processes and Procedures
- Creating Quality Reports and Dashboards
- Using Data for Continuous Improvement

Day 8

Quality Improvement Methodologies

- Introduction to Lean Six Sigma
- DMAIC (Define, Measure, Analyze, Improve, Control) Methodology
- Lean Principles for Waste Reduction
- Applying Six Sigma Tools for Quality Enhancement

Day 9

Implementing Lean Principles

- Identifying Value and Waste in Processes

- Streamlining Processes with Value Stream Mapping
- Visual Management and 5S Methodology
- Error Proofing (Poka-Yoke) Implementation
- Continuous Improvement Culture

Day 10

Six Sigma Methodology

- Understanding DMAIC (Define, Measure, Analyze, Improve, Control)
- Six Sigma Tools for Data Collection and Analysis
- Root Cause Analysis Techniques
- Design of Experiments (DOE) for Process Optimization

Day 11

Advanced Quality Management Techniques

- Total Quality Management (TQM) Principles
- Quality Function Deployment (QFD) for Customer-Centric Design
- Benchmarking for Performance Improvement
- Baldrige Criteria for Organizational Excellence

Day 12

Quality Culture and Leadership

- Building a Quality Culture in Organizations
- Leadership's Role in Quality Management
- Change Management for Quality Improvement
- Leading Quality Improvement Initiatives

Day 13

Quality Assurance in Project Management

- Quality Planning and Execution in Project Management
- Quality Assurance Techniques and Tools
- Ensuring Compliance with Quality Standards and Regulations
- Risk Management for Quality Assurance

Day 14

Quality Control in Project Management

- Monitoring and Controlling Project Quality
- Performing Quality Audits and Inspections
- Implementing Corrective and Preventive Actions
- Ensuring Customer Satisfaction with Project Deliverables

Day 15

Continuous Improvement and Future Trends

- Implementing Continuous Improvement Processes
- Reviewing Lessons Learned and Best Practices
- Identifying Future Trends in Quality Management

- Action Planning for Quality Improvement Initiatives

Ask us for a date for this course
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