

Advanced Construction Management, Site Operation and Supervising Multiple Projects Training

Description

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The construction industry represents one of the main industries in the world by general and especially in the developed countries, was the achievements of this industry like: areas construction, the energy provision, the substructure and the accommodation bring numerous advantages on the citizens and the country. The construction inspection and the supervision considered one of the main pillars in the construction industry, where it has a clear and distinguished influence in the domain of the execution and the finishing of the engineering projects

Organizations that are project driven are faced with the challenge of effective management of inter-dependant, varied priority, varied value, multi-players, shared-resources, short and long term, multiple-accountability, shared-authority, variable risk level and dynamic projects. Therefore, it is not enough to deliver single projects successfully. Leaders are focusing on the effectiveness of whole organizations, and the delivery of a web of changing and interacting projects to achieve the aims of their organizations. This call for a systematic approach for successful delivery of those projects: Management of Multiple Projects

Course Objective

As a result of this course, attendees will be able to:

- The supervision operation on the buildings includes all of the duties and responsibilities to follow-up the implementation of plans, specifications and the quality project control methods for the best completion of the within the costs and specific period
- Explain Multiple Project Management specifics and how it differs from the Traditional Project Management.
  Identify the benefits their organization will gain from implementing Multiple Project Management techniques.
  Obtain a systematic approach for implementing Multiple Project Management techniques at their

organization.
- In addition, there will be a case study on implementing Enterprise Project Management at an organization

Who Should attend?

This course is targeted for Chief Executive Officers, Finance Managers, Human Resources Managers, Project Managers, Engineers and Planners, Information Technology Managers, Project Directors, Consultants, Contractors and Suppliers organizations, Policy makers responsible for developing and implementing national and international sustainable development strategies and Researchers and academics involved in the construction and building industries

The site engineers and assistant engineers in the sites in the supervision and the execution domains in construction sites

Course Outline

Project Management Key Concepts

- Projects and Operations
- Current Trends
- What Projects Exist Within an Organization
- Why Projects Fail?
- PM Key Concepts

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Project Life Cycle and PM Phases

- Project Phases
- Project Life Cycle
- Project Management Processes
- Initiating Projects
- Purpose of initiating Projects
- The Project Charter
- Project Kick Off Meeting
- Planning Projects
- Propose of Planning Projects
- The Work Breakdown Structure
- Develop the Project Plan

Planning Project, Continued

- Develop the Resource Plan
- Cost Estimating and Cost Budgeting
- Establishing The Project Team
- Communication Plan
- Procurement Plan
- Risk Management Plan
- The Project Management Plan

Implementing Projects

- Executing Projects
- Purpose of Executing Projects
- Scope Verification
- Distributing Project Information
- Project Team
- Quality Assurance
- Contract Administration
- Purpose of Controlling Projects
- Updating The Project Schedule
- Performance Measurement Using Earned Value
- Change Control

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Closing Projects

- Purpose of Closing Projects
- Identify Inputs and Outputs, Tools and Technique
- Organizational Impacts Of Project Management
  HR Requirements
- Functional, Matrix and Projectized Organization
- Role of Project Manager
- Project Manager Role
- Project Manager Responsibilities
- Project Manager Skills

Multi-PM and Single Project PM

- Difference Between MPM and SPM
- Criteria for selecting Projects in MPM Grouping
- Benefits of MPM
- Portfolio Management
- Resource Management
- Collaboration
- Organization Wide Planning
- Process Management

The Project Management Office

- PMO Functions
- PMO Positions
- Keys To Successful PMO Deployment

Enterprise Project Management Solutions

- EPMS Functions
- Objectives of EPMS
- Can EPMS Save On Project Spending?
- Selecting An EPMS solution

Project Management Education

- Areas of PM training
- Who needs PM Training?
- How to setup PM Training Program?

Project Management Maturity

- Level 1: Ad Hoc
- Level 2: Consistent
- Level 3: Integrated
- Level 4: Comprehensive
- Level 5: Optimizing

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Implementing Multi- Project Management Information System

- Creating MPM Database
- Creating Project Templates
- Create A New Project
- Single Project Reporting
- Multi- Project Reporting
- Updating the Project Plan