



*Training Course:
Engineering Projects Planning and Control*

21 - 25 July 2024

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: Engineering Projects Planning and Control

Training Course code: EN235009 From: 21 - 25 July 2024 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 3900 € Euro

Introduction

Effective project planning and control are critical components of successful engineering projects. This training program is designed to provide participants with the practical tools and techniques necessary for planning and managing engineering projects from conception to completion. Participants will learn how to identify project requirements, develop project schedules and budgets, monitor and control project progress, and effectively communicate with project stakeholders.

Objectives

The main objectives of this Engineering Projects Planning and Control training program are to provide participants with:

- An understanding of the principles of project planning and control for engineering projects.
- Knowledge and skills in key areas such as project scope management, schedule development, cost estimation and budgeting, risk management, and project communication.
- Practical tools and techniques for effective project planning and control, including project management software, performance metrics, and stakeholder engagement.
- Preparation for project management certification exams such as the Project Management Professional PMP or Certified Associate in Project Management CAPM.

Target Audience

The Engineering Projects Planning and Control training program is intended for engineers, project managers, and other professionals involved in engineering projects who want to enhance their project planning and control skills. The program is also suitable for individuals who want to enter the project management field and need a comprehensive understanding of project planning and control for engineering projects. The program is open to individuals with a bachelor's degree or equivalent work experience in engineering, project management, or related fields. Prior knowledge of project management concepts and tools is recommended but not required.

Course Outline

Introduction to Project Management:

- Project management principles and concepts
- Project life cycle and phases
- Project management frameworks and standards
- Project management software tools

Project Scope Management:

- Defining project scope and requirements
- Creating a work breakdown structure WBS

- Scope verification and control
- Change management and scope creep

Project Schedule Development:

- Defining project activities and milestones
- Creating a project network diagram
- Developing a project schedule using critical path method CPM and other techniques
- Schedule optimization and compression

Cost Estimation and Budgeting:

- Developing a project budget
- Estimating project costs using bottom-up and top-down approaches
- Cost control and monitoring
- Earned value management EVM

Risk Management:

- Identifying project risks and opportunities
- Risk assessment and prioritization
- Risk response planning and implementation
- Risk monitoring and control

Project Communication:

- Stakeholder identification and analysis
- Creating a project communication plan
- Effective communication techniques and strategies
- Managing project meetings and presentations

Registration form on the Training Course: Engineering Projects Planning and Control

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