

Certificate in Advanced Project Management

Why Attend

- The overall aim of this course is to provide participants with the knowledge and skills needed to align project management with an organization's corporate strategy and to perform in-depth analysis for a project during the planning and the implementation phases. Participants in this interactive course will learn all the critical tools and techniques required to make strategic decisions that optimize the successful execution of a project in a dynamic environment.

Course Methodology

- This course relies on the use of individual and group exercises aimed at helping participants learn all key project management activities. The course also relies on the use of a number of case studies and presentations by participants, followed by discussions. In addition, this course incorporates pre and post testing.

Course Objectives

By the end of the course, participants will be able to:

- Define project management frameworks, processes and tools in compliance with the Project Management Institute (PMI) standards
- Develop a project strategy to ensure alignment with the overall strategy of the organization using financial and non-financial models
- Construct project diagrams, schedules and plans and use different techniques to perform an in-depth analysis on project schedules and plans
- Identify different methods for cost estimating and project budgeting
- Manage time and cost deviations through applying 'earned value analysis'
- Employ risk management plans and apply risk response strategies to ensure successful implementation of a project
- Develop program management plans in compliance with PMI standards

Target Audience

- Personnel who are seeking in-depth knowledge of creating and managing project plans. The course is also designed to provide comprehensive time, cost and risk analysis as well as several techniques used to regain control over projects. Our institute has been reviewed and approved by the PMI® Authorized Training Partner Program. This course is worth 30 Professional Development Units (PDUs).

Target Competencies

- Project management
- Performing project scheduling
- Developing project plans
- Managing project budget
- Developing project controls
- Risk management

Overview of project management

- Defining project management terminologies
- Project management processes
- Project life cycle
- Effect of organizational structure

Project strategy

- Strategic versus operational project management
- Identify projects that support your strategy
- SWOT analysis
- Strategic project management
- Project selection financial models
- Net Present Value (NPV)
- Decision trees

Project planning and scheduling

- Defining scope
- Building work breakdown structure
- Duration estimation
- Network diagram
- Critical Path Method (CPM)
- Resource allocation
- Duration acceleration
- Other planning techniques
- Critical chain method

Project budgeting

- Types of Costs
- Cost estimating techniques
- Contingency and management reserves
- Cost baseline
- Project budget
- Cashflow analysis
- Compression by crashing

Project control

- Earned value method
- Managing deviations
- Key performance indicators
- Dashboards and scorecards

Project risk management

- Project risk identification
- Qualitative risk analysis
- Quantitative risk analysis
- Project risk response planning

Program management

- Program life cycle
- Developing program work breakdown structure
- Developing program schedule
- Developing program financial plan