

€ TRAINING

Planning with Designing and Following Up in
Technical and Engineering Projects



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Introduction:

The Planning with Designing and Following Up in Technical and Engineering Projects program equips professionals with strategic planning, design implementation, and project monitoring skills for successful project outcomes in technical and engineering fields.

Program Objectives:

At the end of this program the participants will be able to:

- Construction Industry: Players, methods of delivery, and contracts.
- Design Stages and interaction with construction.
- Construction Phase: Planning, control, and closing.

Targeted Audience:

- Chief Executive Officers.
- Finance Managers.
- Human Resources Managers.
- Project Managers.
- Engineers and Planners.
- Information Technology Managers.

Program Outlines:

Unit 1:

Essential Project Management Concepts:

- What is a project and its Key Concepts.
- Delivery Methods of Projects.
- Types of Contracts for engineering projects.
- Projects and Operations.

- Project Life Cycle and PM Phases and key concepts.
- Project Management Processes.

Unit 2:

Project Design, Delivery Methods, and Construction Contracts:

- Design stages of project.
- Delivery methods of projects.
- Contract types for construction projects.

Unit 3:

Construction Project Tendering and Planning:

- Tendering of construction projects.
- Planning for construction projects.

Unit 4:

Managing Cash Flow, Costs, and Time:

- Cash Flow Analysis.
- Cost Control.
- Time Control.

Unit 5:

Risk Analysis and Value Engineering in Construction Projects:

- Risk Analysis for construction projects.
- Value Engineering application in construction projects.