

Project Manager: Project Planning, Scheduling & Cost Estimation

Course Outline:

Module 1: Introduction to Project Planning and Lifecycle

- Understanding project management frameworks (PMBOK, Agile, etc.)
- Project phases: Initiation, Planning, Execution, Monitoring, Closure
- The role of project planning in successful delivery
- Key project documents: Project Charter, Scope Statement, WBS

Module 2: Work Breakdown Structure (WBS) and Scope Management

- Creating and decomposing the WBS
- Scope definition vs. scope creep
- Linking deliverables with milestones and responsibilities
- Practical workshop: Develop a WBS for a sample project

Module 3: Project Scheduling Techniques

- Critical Path Method (CPM) and Gantt charts
- Precedence Diagramming Method (PDM)
- Resource allocation and leveling
- Tools overview: MS Project, Primavera P6
- Hands-on: Create and analyze a project schedule

Module 4: Cost Estimation and Budgeting

- Types of cost estimates (ROM, definitive, etc.)
- Estimation techniques: Analogous, parametric, bottom-up

EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

- Cost baseline and funding requirements
- Integrating time and cost: Earned Value Management (EVM)
- Case study: Estimate and budget a sample project

Module 5: Monitoring, Control & Forecasting

- Schedule and cost performance metrics (SPI, CPI, EAC, ETC)
- Managing changes to schedule and budget
- Forecasting techniques and trend analysis
- Risk-adjusted planning and contingency reserves
- Final workshop: Integrated planning, scheduling, and costing

Location	Dubai – Dusit Thani Hotel
Start Date	05 Oct 2025
End Date	09 Oct 2025