

MSP (AEC) with PPM Online Training

Instructor-Led Online Training

Course Curriculum (Duration: 40 Hrs.)

Chapter 1: Introduction of Construction Management

- a. What is a project? Define activities
- b. Scope and process of planning
- c. OPA, EEF, WBS, RBS, RTM
- d. Stakeholders & Integration Management
- e. Project Management Framework

Chapter 2: MS – Project Software

- a. All details of software & Gantt chart
- b. Scheduling, Baselines, Tasks
- c. Tracking Gantt, Budget, Calendar
- d. Resource optimization

Chapter 3: Important Terms & Various Reports

- a. Schedule Management & Bar charts
- b. Cost Management
- c. Resource Management

Chapter 4: Numerical & Calculations

- a. EVM, S – Curve
- b. Evaluating & Correcting Project Performance
- c. IRR, NPV, PV

Chapter 5: Creating project

- a. Project management process, roles of P.E.
- b. Develop & control project schedule
- c. Generate reports
- d. Closing the project

Chapter 6: Project management processes & MSP software

- a. PLC & PMP
- b. M & C processes
- c. Executing process group
- d. Closing process group

Chapter 7: Integration & Resource Management

- a. Project charter & plan resource management
- b. Develop PMP & estimate activity resources
- c. Direct & Manage project work
- d. Perform integrated change control & acquire resources

Chapter 8: Scope & Quality Management

- a. Plan scope & quality mgmt.
- b. Collect requirements & scope statement
- c. WBS, validate scope & control scope

Chapter 9: Schedule & Cost Management

- a. Plan schedule mgmt. & EVM
- b. Develop schedule & Control
- c. Sequence & estimate activity durations

Chapter 10: Communication & Risk Management

- a. Plan & manage communications
- b. Plan & control project risk
- c. Risk responses
- d. Determine budget & control

Chapter 11: Procurement & Stakeholder Management

- a. Plan procurement & stakeholder management
- b. Conduct & control procurement
- c. Manage stakeholder engagement

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