

# Project Estimation Course Outline

## Objective:

Understanding various estimation and budgeting methods for software projects. Monitoring, Reporting, Controlling, Forecasting, Rebaselining of cost.

## Day 1

- What is project, project boundary, project phases?
- Budget and Estimate
- What to estimate on project?
- Ranges of Estimates
- Estimation & Metrics
- Meaning of Baseline of Estimates
- Cost Management Approach
- Estimation Methods
- Type of Estimates
  - Effort Estimates
  - Duration Estimate
  - Resource Estimate
  - Cost Estimates
- Component of Cost
- Input Consideration for Estimates
- Cost Management Plan
- Schedule Management Plan
- Cost Performance Baseline
- Monitoring and Controlling Cost/Efforts/Schedule
- Earned Value Management
- Forecasting Cost/Efforts/Schedule

## Day 2

- Introduction to Software Size Estimating Techniques
  - Function Points Based Estimation
  - Component Based Estimation
  - Use Case Base Estimation
- Benchmarking Marking Productivity
- Calculating effort and cost using size and productivity

MBA, MCA, PGDOM, PGDFM, CIC, PMP, PMI-ACP, Prince2-Practitioner, MCITP, MCTS, CSM

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