

## Project Delay Analysis Training

### What you will learn:

This course provides training for Claim Management theory with case study examples on project management software. Participants will gain a knowledge through the basic concepts of claim management and delay analysis. This two-day class leads you through examples of specific claim analyzing tools, techniques and provides a lab-style workshop and allow students to apply the learned techniques in scenario projects.

### Learn to:

- Claim Management, Delay Analysis theory.
- Window Analysis, Planned vs As Built, and Delay Analysis Tools and Techniques
- Time impacted Schedules, Extension of Time, Cost Adjustment

### Suggested Prerequisites:

- Fundamental Project Management knowledge

### Audience

- Claim Analysts
- Project Managers
- Contract Managers
- Project Planners and Schedulers

### Course Objectives:

- Learn the fundamentals of claim management idea in a project schedule, use tools and techniques.
- Understand Delay Analysis, use claim management skills to improve your project management maturity

### Course Topics:

- CPM Theory and different approaches on Critical Path Method.
- Early and Late cash flow histograms and "S" curves convergency
- Constraints and effects on critical path and project activity dates
- Creating Baseline schedules, monitoring changes, revisions and updates
- Change orders, variation orders and revised baseline
- Alternate baselines, track project changes, and schedule comparisons
- Reporting planned versus earned progress and analyzing the delays
- Time impacted schedules, force major events to contract
- Introduction to the methodologies of "window analysis" and "as built vs as planned" techniques
- Collapses as built analysis (but-for) for owners and contractors' perspective.
- Project performance metrics and earned value analysis on project delays
- Total float and free float discussion and ownership of float issue.
- Finish Variance and Float effect on delay analysis. Multiple Float Paths, secondary, tertiary critical paths
- Time impacts on path to interim deliverables such as milestones
- Alternate critical path theory, longest path vs  $TF = 0$  differences on delay analysis
- Delay analysis case studies for penalty/incentive fee. Scenarios & workshops for delay event simulation
- Level of Effort Activities examples on cost adjustment and time extension
- Suspension and resumes on projects, effects of claim submissions