

Program Description:

This session takes a comprehensive look at the discipline of project management and its application to software development projects. The motivation for applying project management techniques to assure project success is discussed. Practical exercises will ensure that the application of useful techniques is reinforced. At the conclusion of this course, attendees will understand how to apply project management techniques to achieve a SEI CMM level 2-3.

Program Overview:

- The Case for Project Management
 - Cost-Schedule-Quality Tradeoff
 - Strategic Advantage – Time to Market
 - Strategic Advantage – Reducing Risk
 - Strategic Advantage – Proven Techniques
 - Strategic Advantage – Hard & Soft Factors
 - Project Management Maturity – SEI CMM
- The Discipline of Project Management
 - Project Definition
 - Project Planning Process
 - Project Control Process
 - Risk Management Process
 - Quality Assurance
- Critical Soft Skills for Project Managers
 - Leadership
 - Teamwork
 - Communications

Learning Objectives:

- Learn how to reduce project risk and greatly increase the chances of project success.
- Understand the SEI Capability Maturity Model (CMM) and why it is important to organization's success.
- Learn to create a Work Breakdown Structure (WBS).
- Understand the importance of detailed task estimations to create accurate schedules.
- Identify key corrective actions that can put a project back on track.
- Understand why Quality Assurance must be applied throughout the project life-cycle.
- Learn why the soft skills of leadership, teamwork, and communication are critical to software project's success.

Target Audience:

Customized for software developers, software project managers, and software managers.