Agile Expert Certified (AEC™) Course Outline

- Introduction
- Agile Overview
  - AGILE Defined
  - Why use Agile?
  - Adaptive Project Management
  - The Agile Manifesto
  - Principles of the Agile Manifesto
  - Declaration of Interdependence
  - What has changed?
  - Difference between Waterfall and Agile
- Domains of Agile Practices
  - Value-Driven Delivery
  - Adaptive Planning
  - Team Performance Practices
  - Agile Tools and Artifacts
  - Participatory Decision Models
  - Stakeholder Engagement
  - Continuous Improvement
- Lean Kanban Software Development
  - Introduction
  - Core Values
- Understanding Lean Software Development
  - Introduction
  - Core Values
  - Practices of Lean Software Development
  - Iterative Development
- Understanding Kanban
  - Kanban in software development
  - Kanban Values
  - Kanban Practices
  - Definition of Lean Kanban
  - Implementing Lean Kanban

- Scrum
  - Overview of Scrum
  - Brief History of Scrum
  - Why Use Scrum?
  - Scalability of Scrum
  - Scrum Principles
  - Scrum Aspects
  - Scrum Processes
  - Scrum and Kanban
- Extreme Programming
  - Core Values
  - Roles
  - Practices
  - XP release
  - XP Artifacts
  - Adopting XP
  - XP Events
  - Iteration
- Test-Driven Development
- DSDM
  - Core Values
  - Roles
  - Practices
- Crystal
  - Core Values
  - Roles
  - Practices
  - The Process
- Feature Driven Development
  - Core Values
  - Roles
  - Practices
  - The Process
- Comparison of Agile Methods
- Best Fit Analysis Tool