

Agile Fundamentals

Course #: AG-100 Duration: 1 day

Prerequisites

None.

Details

This course gives attendees a broad overview of Agile, focusing on the popular Scrum framework as an example of how Agile can transform organizational projects. You will learn key agile principles, the end-to-end agile process, and how and why agile works to consider and discuss possible implementation with your organization.

Software Needed

None.

Outline

Agile Fundamentals

- Getting Started with Agile
 - o Traditional Project Management (Waterfall)
 - What is Agile?
 - Iterative and Incremental Development Strategies
 - o Differences Between Waterfall and Agile
 - The History of Agile
 - o The Agile Manifesto
 - Frameworks / Methodologies of Agile
- Using the Scrum Framework
 - The Scrum Framework
 - o Scrum Roles
 - o Product Owner
 - o Scrum Master
 - Scrum Team
 - History of Chickens and Pigs
 - o Scrum Team Breakdown
 - o Stakeholders
 - Stakeholder Identification
 - Stakeholder Responsibilities
 - o Types of Stakeholders
 - o Factors Affecting Stakeholder Involvement

- Customers
- The Scrum Process
- What is the Product Backlog?
- User Stories
- Sprint Planning
- Sprint Characteristics
- Closure

• Managing Projects with Scrum

- Estimating User Stories
- Ideal Days
- Story Pointing
- Product Backlog Estimating Stories Example
- Product Poker
- Daily Scrum Meeting
- o Burn-down Chart
- o Progress Charts
- o Metrics for Tracking
- Best Practices to Manage Scrum
- Product Owner: Proxy or Facilitator?

• Success Factors to Implement Agile

- Resolve Risks in Agile Projects
- o Integration Issues
- Hardening Issues
- Blocking Issues
- o Myths about Agile
- Agile and CMMI
- o Agile and PMBOK
- Micro-Management with Agile
- o Estimation Challenges
- Growth Opportunities
- o Scrum of Scrums
- The Benefits of Agile