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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**
  - Traditional Project Management (Waterfall)
  - What is Agile?
  - Iterative and Incremental Development Strategies
  - Differences Between Waterfall and Agile
  - The History of Agile
  - The Agile Manifesto
  - Frameworks / Methodologies of Agile
- **Using the Scrum Framework**
  - The Scrum Framework
  - Scrum Roles
    - Product Owner
    - Scrum Master
    - Scrum Team
      - History of Chickens and Pigs
      - Scrum Team Breakdown
    - Stakeholders
      - Stakeholder Identification
      - Stakeholder Responsibilities
      - Types of Stakeholders
      - 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
    - Burn-down Chart
    - Progress Charts
    - Metrics for Tracking
    - Best Practices to Manage Scrum
    - Product Owner: Proxy or Facilitator?
- **Success Factors to Implement Agile**
    - Resolve Risks in Agile Projects
    - Integration Issues
    - Hardening Issues
    - Blocking Issues
    - Myths about Agile
    - Agile and CMMI
    - Agile and PMBOK
    - Micro-Management with Agile
    - Estimation Challenges
    - Growth Opportunities
    - Scrum of Scrums
    - The Benefits of Agile