Accelerating Agile Development for Scrum Teams

Duration: 3 Days
Course Price: $2,990

Course Description
Concentrating on the resolution of impediments and creation of high-performing, self-managed teams, this course provides a fundamental understanding of the Scrum framework and Agile development methodology for software development teams. With this training you will improve your focus on business value, minimize waste, and apply Lean principles to team projects.

You Will Learn How To
- Resolve organizational issues that impede Agile team development
- Match Agile coaching styles to the maturity level of your teams
- Avoid "story card hell" through effective backlog management
- Apply Scrum to portfolio management and multiple team projects
- Develop agility assessments for improving team performance

Course Outline

Reviewing Agile Development and the Scrum Framework
- Realizing the strategic role of the Product Owner
- Treating the Product Backlog order as the critical path
- Building better processes through Scrum

Growing Agile Teams with Proper Methodology
Developing coaching skills
- Applying different Agile coaching styles
- Climbing the Shu-Ha-Ri ladder of attainment
- Practicing servant-leadership

Achieving continuous improvement
- Prioritizing business value as the primary concern
- Emphasizing Scrum's self-management versus the approach of other Agile methodologies

Organizing around value-driven software
- Reinforcing the strategic role of the Product Owner
- Ordering the Product Backlog dynamically to determine the project's critical path
- Sniffing out bad "smells" in Scrum Teams

Delivering High Performance with Agile Team Training
Employing advanced team practices
- Distilling requirements with Acceptance Test Driven Development (ATDD)
- Designing products through Test Driven Development (TDD)
- Integrating functional increments continuously

Scaling Agile development
- Coordinating the work of multiple teams
- Applying Continuous Integration (CI) for large projects

Accelerating organizational change
- Exposing dysfunctions in the software development process
- Driving change through the Scrum Master role

Managing Backlogs
Prioritizing product requirements
- Separating concerns with value propositions
- Organizing Epics and Stories
- Story-Mapping to visualize backlog

Slicing and dicing Stories
- Planning releases with Minimal Marketable Features (MMF)
- Characterizing a well-formed Product Backlog
- Avoiding "Story Card Hell"

Streamlining Team Progress with Lean Thinking
Maximizing the amount of "work not done"
- Thinking Lean to eliminate waste
• Comparing Lean and Kanban to Scrum
• Identifying opportunities to eliminate rework

Implementing Lean thinking
• Prioritizing resources with Agile portfolio management
• Visualizing throughput with Cumulative Flow Diagrams
• Reallocating resources to eliminate bottlenecks

Improving and Measuring Team Performance

Assessing agility
• Measuring the delivery of business value
• Defining team performance
• Selecting metrics that support self-management

Implementing improvement through Agile development process
• Creating Improvement Backlogs
• Tracking the removal of impediments
• Developing a momentum for success

Planning for External Dependencies

Resourcing projects
• Integrating contractors into Scrum teams
• Outsourcing to third parties
• Running geographically dispersed teams

Relating to external constraints
• Mapping external dependencies
• Addressing the slow-moving infrastructure team issue
• Working with deployment teams

Generalizing Scrum in the Wider Organization

Scaling Scrum
• Gaining support for Scrum
• Creating Agility assessments
• Addressing impediments at the enterprise level

Prerequisites

Requirements:
• One year of software development experience

Recommended Experience:
• Knowledge of Agile and Scrum at the level of:
  • Course 918, Agile Fundamentals: Scrum, Kanban, Lean & XP (preferred), or
  • Course 1813, Certified Scrum Master®, or
  • Course 1814, Certified Scrum Product Owner®

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