

# LEAN AND AGILE PROJECT MANAGEMENT

## SYNOPSIS

Lean and Agile Project Management is an activity-driven, "nuts-and-bolts" course that teaches participants how to promote value-based, high-quality, accelerated delivery of projects in a sustainable manner. The course details the role and responsibilities of a Product Owner and how other roles in the project and portfolio space collaborate and work together in a Lean and Agile environment. This course addresses expectations of the Product Owner and other roles related to portfolio management, requirements gathering, project planning, valuating, estimating and other activities.

## LEARN

- Define modern project management
- Compare and contrast modern project management and traditional project management
- Compare and contrast the roles within Lean and Agile project management
- Describe Lean and Agile approaches to project planning
- Identify communication and measurement methods used in the execution of Lean and Agile projects
- Describe how change management can be leveraged in Lean and Agile project management

## TOPICS

### REVIEW OF LEAN AND AGILE CONCEPTS

- PDCA
- Lean
- Agile
- Scrum
- Kanban
- Iterative Delivery
- User Stories
- Kaizen/Continuous Improvement

### PROJECT MANAGEMENT

- Benefits of Traditional Project Management
- Challenges with Traditional Approach
- Goals of Project Management and Applicability to Various Frameworks

### MODERN PROJECT MANAGEMENT

- Modern Project Management Defined
- Benefits and Challenges of Modern Project Management
- Empirical vs. Theoretical
- Team Funding vs. Project Funding
- Problem Identification
- Facilitative Leadership
- Self-organization

### PROJECT MANAGEMENT PLAYERS

- Definition of Mastery
- ShuHaRi
- Roles:
  - Project Manager
  - Product Manager
  - Product Owner
  - Scrum Master
  - Delivery Management
- Additional industry-specific roles

### PLANNING

- Product Development Phases
- Value Stream
- Outcomes vs. Hours
- Capitalization
- Iterative Delivery
- Change Management
- Work Breakdown Structure vs. Backlog Grooming
- Estimating
- Prioritization
- User Story Mapping
- Roadmap
- Release Planning
- Fixed Bid Contracts
- Scope Changes

### EXECUTION

- Feedback Loops
- Continuous Improvement
- Cycle Time
- Lead Time
- Velocity

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