

# Scrum Agile Master Certified (SAMC)

## Content

### 1. Introduction

- Overview of Agile concepts and relevance to modern project management.

### 2. Agile Overview

- **AGILE Defined:** What Agile is.
- **Why use Agile?:** Benefits of Agile over traditional methods.
- **Adaptive Project Management:** Flexibility in changing environments.
- **The Agile Manifesto & Principles:** Core guiding philosophies of Agile.
- **Declaration of Interdependence:** Relationship between Agile teams.
- **What's Changed?:** Key differences between Agile and traditional approaches.
- **Difference between Waterfall and Agile:** Contrasting two popular methodologies.

### 3. Domains of Agile Practices

- **Value-Driven Delivery:** Delivering value incrementally.
- **Adaptive Planning:** Flexibility in planning and adjusting.
- **Team Performance Practices:** Optimizing team collaboration.
- **Agile Tools and Artifacts:** Common Agile tools (e.g., burndown charts, user stories).
- **Participatory Decision Models:** Involvement of all team members in decisions.
- **Stakeholder Engagement:** Continuous communication with stakeholders.
- **Continuous Improvement:** Iterative process improvement (Kaizen).

### 4. Lean Kanban Software Development

- **Introduction and Core Values:** Overview of Lean and its principles in software development.

### 5. Understanding Lean Software Development

- **Introduction, Core Values, and Practices:** Lean's focus on waste reduction and value creation.
- **Iterative Development:** Building in small, continuous increments.

### 6. Understanding Kanban

- **Kanban in Software Development:** How Kanban is applied.
- **Kanban Values, Practices, and Definition:** Key principles and implementation.

### 7. Scrum

- **Overview, History, and Principles of Scrum:** Basics and evolution.
- **Why Use Scrum?:** Scrum's effectiveness in project management.
- **Scalability of Scrum:** Scaling Scrum for larger projects.
- **Scrum Principles, Aspects, and Processes:** Key elements and lifecycle.
- **Scrum and Kanban:** A comparison of both frameworks.

## 8. Extreme Programming (XP)

- **Core Values, Roles, and Practices:** Emphasis on engineering excellence.
- **XP Release and Artifacts:** The delivery and documentation cycle.
- **Adopting XP and XP Events:** Implementation and regular meetings.
- **Iteration:** Short, continuous improvement cycles.

## 9. Test-Driven Development

- Agile testing methodology where tests guide development.

## 10. DSDM (Dynamic Systems Development Method)

- **Core Values, Roles, and Practices:** Rapid development and frequent delivery.

## 11. Crystal

- **Core Values, Roles, Practices, and Process:** A lightweight Agile framework for small teams.

## 12. Feature-Driven Development (FDD)

- **Core Values, Roles, Practices, and Process:** Agile methodology focused on delivering client-valued features.

## 13. Comparison of Agile Methods

- Overview of differences between various Agile methodologies (Scrum, Kanban, XP, etc.).

## 14. Best Fit Analysis Tool

- Tool for determining the most appropriate Agile methodology for a project.