



- **Highest Rated PMP and Scrum**
- **Scrum Trainer:**
  - **Ganesh Watve**
    - Experienced Project Manager
    - Contributor & Reviewer of PMBOK 6<sup>th</sup> Edition
    - Ex Joint Director PMI Pune Deccan India Chapter
    - International Trainer for PMP and Scrum

## Course outline for Scrum Master Training and Certification

Duration – 16 to 20 Hours (8 to 10 Days on Weekdays) – Daily 2 Hours Online

### You Will Learn How To:

- Become a Certified Scrum Master / Product Owner and servant-leader to your Development Team, your Product Owner and your organization
- Follow Agile principles and Scrum Framework
- Scrum Phases and Processes
- Apply effective facilitation for Scrum ceremonies / meetings
- Refine your product backlog
- Act as an effective change agent and remove impediments
- Smooth transitioning from Traditional to Scrum Practices
- Implement Scrum for large projects

### Workshop Activities Include:

- Creating the product vision
- Developing and refining product backlogs
- Estimating and prioritizing user stories
- Contrasting iterative vs incremental delivery
- Realizing the power of team collaboration

### Who Should Attend-

Practicing Scrum Masters, Product Owners, members of Scrum Development teams and anyone who needs to appreciate the role and competencies required of a Scrum Master / Product Owner. A basic knowledge in project activities is assumed.

### **Introducing Agile Principles**

- Defining Agile values and principles
- Understanding Agile development and various agile practices at large
- Contrasting Waterfall / traditional and Agile product development practices
- Understanding the challenges of adopting Agile
- Creating a cross-functional team

### **Defining the Scrum Framework**

#### **Embracing Scrum**

- Defining the core Scrum Framework
- Core Scrum team, artifacts and ceremonies / meetings
- Adapting traditional business process to Scrum
- Applying core Scrum Values

### **Scrum Phases and Processes**

#### **Initiating**

- Create Project Vision
- Identify Scrum Master and Stakeholder(s)
- Form Scrum Team
- Develop Epic(s)
- Create Prioritized Product Backlog
- Conduct Release Planning

#### **Plan & Estimate**

- Create User Stories
- Approve, Estimate and Commit User Stories
- Create Tasks
- Estimate Tasks
- Create Sprint Backlog

#### **Implement**

- Create Deliverables
- Conduct Daily Standup
- Groom Prioritized Product Backlog

#### **Review & Retrospect**

- Convene Scrum of Scrums
- Demonstrate and Validate Sprints
- Retrospect Spring

#### **Release**

- Ship Deliverables
- Retrospect Project

## **Scrum Ceremonies / meetings and Artifacts**

### **Defining the Core Scrum Artifacts**

- Project Vision Statement
- Prioritized Product Backlog
- Sprint Goal
- Sprint Backlog
- Impediment Log
- Product Increment

### **Simulating the Core Scrum Ceremonies**

- Project Vision Meeting
- Release Planning Meeting
- Sprint Planning Meeting
- Daily Standup Meeting
- Sprint Review Meeting
- Retrospect Sprint Meeting

## **Refining the Product Backlog**

### **Iterating the Product Backlog**

- Developing the Product Vision
- Building the Product Backlog
- Continuously refining the Product Backlog
- Turning ideas into action

### **Refining Product Delivery**

- Comparing iterative and incremental delivery
- Decomposing Epics into features and user stories
- Planning a product delivery roadmap

## **Estimating and Prioritizing Product Backlog Items**

### **Defining Personas**

- Creating realistic user Personas
- Visualizing scope through story maps
- Linking user personas to use cases

### **Creating user stories**

- Writing users stories
- Evolving product requirements
- Applying INVEST and SMART frameworks to focus user stories
- Developing products with progressive elaboration
- Breaking user stories into tasks
- Defining appropriate acceptance criteria

### **User story estimating**

- Sizing user stories
- Estimating effort and business value level through relative measurement

- Comparing and contrasting affinity and planning poker estimation techniques

### **Prioritizing the Product Backlog**

- Ranking product backlog item priority at the release, product and project level
- Utilizing MoSCoW and other prioritization techniques
- Identifying high-priority items for sprint planning

## **Product Owner Responsibilities to the Team**

- Creating Project Vision Statement
- Identifying Scrum Master, Scrum Team and Stakeholder(s)
- Develop Epics
- Create Prioritized Product Backlog
- Create User Stories
- Create Sprint Backlog
- Groom Prioritized Product Backlog
- Validate Sprint
- Retrospect Sprint
- Retrospect Project

## **Scrum Master Responsibilities to the Team**

### **Growing the Scrum team**

- Enforcing the Scrum process
- Establishing team working agreements
- Performing as a servant-leader
- Removing Impediments

### **Ensuring long-term success**

- Continuously improving the team
- Reporting appropriate metrics
- Managing and reducing external dependencies
- Adopting best practices for software engineering