

Scrum Developer with PSD I Certification

Self-organising and cross-functional teams are key to working effectively in a Scrum setup. They ensure the delivery of functional software at the end of each sprint.



Training Overview

This training focuses on software engineering tools and practices within the Scrum framework. It details the Scrum framework, software development practices using Scrum, team dynamics and application lifecycle management.

Training Objectives

This training takes an interactive approach to teach trainees how to be an effective software developer following the Scrum framework. Exercises, case studies and examples are used to assist in developing the knowledge, skills, capabilities and insights needed to shift from the traditional software development practices to Agile approach.

At the end of the training, trainees have a clear understanding about the following:

- Why adopt Agile and Scrum in software development?
- What is the perspective of the development team in the rules of scrum?
- Implementing Scrum practices for planning, project execution and progress reporting
- Creating and maintaining the product backlog
- Participating in various Scrum ceremonies for the development team
- What is Application Lifecycle Management (ALM)?
- Achieving better code quality
- What are Agile testing and emergent architecture?
- Habits and behaviours of a high-performance Scrum development team

Target Audience

This training is intended for software architects, designers, analysts, developers, testers, team leads, scrum master, product owner and anyone who is expected to be part of an agile development team.

Prerequisites

Participants should have a good knowledge of software development and project life cycle.

Training Content

1. Agile Overview

- Agile Principles: The Agile Manifesto
- Benefits of Agile
- Understanding Agile for software development
- Different Agile Methods
- Adopting Agile Methods

2. Scrum Framework

- Scrum principles
- Roles and responsibilities in Scrum
- Scrum ceremonies
- Scrum artefacts
- Tracking progress (Scrum board and charts)

3. Managing Product Backlog

- Product Owner and product backlog
- Epics and user stories
- Estimating a Product Backlog Item (PBI)

- Product backlog grooming
 - Acceptance criteria (SMART, acceptance tests, BDD/ATDD)
4. Implementing Scrum
- Scrum challenges
 - Best practices and common mistakes
5. Software Development Practices
- Code Quality
 - Coding practices
 - Technical debt (SQALE)
 - Refactoring
 - Clean code
 - Agile Testing
 - Agile Testing Quadrant
 - Test-driven Development
 - Test defect management
 - Software Architecture
 - Design patterns
 - Emergent Architecture
 - Brown vs Greenfield
6. Application Lifecycle Management
- Sprint/Iteration tracking
 - Software configuration
 - Test and deployment
 - Automated Builds, Continuous Integration, Continuous Delivery
 - DevOps

Training Information

Training will be conducted by an experienced trainer and Agile Coach from why innovation!.

Each training will have a maximum of 12 participants.

Duration: 3 days (24 hours)

Location: Singapore/ Hong Kong/ Shanghai

Price: SGD 2,400/ HKD 13,500/ CNY 9,000

Certification Fee: SGD 290/ HKD 1,600/ CNY 1,500

Certification is by Scrum.org

Select more than 1 training to be eligible for a discount.

Related Trainings

1. Agile Testing
2. Lean Startup
3. Scrum Master with PSM I Certification

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