

Agile

Duration - 4 Days / 32 Hours

Program Description

This training provides a comprehensive understanding of Agile development, its principles, and its advantages over traditional methodologies. Participants will explore various Agile frameworks, including Scrum, Kanban, Lean, and Extreme Programming (XP). The course covers Agile project planning, user stories, estimation techniques, and sprint planning. Participants will learn Agile execution best practices, including daily stand-ups, metrics, and tracking progress using burndown and burnup charts. Agile testing techniques such as TDD, continuous integration, and automation will be discussed.

The training also covers scaling Agile with frameworks like SAFe, handling distributed teams, and overcoming challenges.

Finally, participants will gain insights into Agile transformation, leadership, continuous improvement, and real-world case studies to apply best practices effectively.

Learning Goals

- ❖ Gain a solid foundation in Agile principles, values, and methodologies.
- ❖ Learn the advantages of Agile over traditional development methodologies like Waterfall.
- ❖ Understand key Agile frameworks such as Scrum, Kanban, Lean, and Extreme Programming (XP).
- ❖ Identify and understand the roles of Product Owner, Scrum Master, and Development Team in Agile.
- ❖ Learn how to create user stories, estimate effort using techniques like Planning Poker, and plan sprints effectively.
- ❖ Implement Agile ceremonies like daily stand-ups, sprint reviews, and retrospectives while tracking progress using Agile metrics.
- ❖ Apply techniques like Test-Driven Development (TDD), continuous integration, and automated testing.
- ❖ Understand frameworks like SAFe for scaling Agile across multiple teams and handling distributed Agile environments.
- ❖ Learn strategies for Agile adoption, leadership involvement, and cultural change within an organization.
- ❖ Analyze real-world case studies, identify key lessons learned, and implement best practices for continuous improvement.

Course Topics

- ❖ Introduction to Agile
- ❖ Agile Methodologies
- ❖ Agile Project Planning
- ❖ Agile Execution and Monitoring
- ❖ Agile Testing and Quality Assurance
- ❖ Scaling Agile
- ❖ Agile Transformation and Continuous Improvement
- ❖ Case Studies

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Modules can be customized to suit client's specific needs and duration accordingly