

Agile Software Development with Azure DevOps

Course Duration: 24 Hours

Course Code: ASD-ADO-101

1. Course Overview

Agile Software Development with Azure DevOps Training equips professionals with modern Agile practices and DevOps tools to streamline software delivery. This course covers Scrum, CI/CD pipelines, project tracking, and collaboration using Azure DevOps to enhance productivity, quality, and faster time-to-market.

2. What You'll Learn

- Fundamentals of Agile and Scrum methodologies
- Working with Azure DevOps boards, repos, and pipelines
- Creating and managing CI/CD pipelines
- Sprint planning, backlog management, and tracking
- Version control using Git
- Test planning and automation strategies
- Continuous integration and deployment best practices

3. Target Audience

- Software Developers
- DevOps Engineers
- Project Managers
- QA/Test Engineers
- IT Professionals looking to adopt Agile and DevOps practices

4. Pre-Requisites

- Basic understanding of software development lifecycle (SDLC)
- Familiarity with any programming language
- Basic knowledge of version control (Git preferred)
- Understanding of cloud concepts is an advantage

5. Course Content

Module 1: Introduction to Agile & Scrum

- Agile principles and values
- Scrum framework and roles

Module 2: Introduction to Azure DevOps

- Overview of Azure DevOps services
- Setting up projects and teams

Module 3: Azure Boards

- Work items and backlog management
- Sprint planning and tracking

Module 4: Azure Repos

- Git fundamentals
- Branching and merging strategies

Module 5: Azure Pipelines

- CI/CD concepts
- Build and release pipelines

Module 6: Azure Test Plans

- Test case management
- Manual and automated testing

Module 7: Continuous Monitoring & Feedback

- Integrating monitoring tools
- Performance tracking and reporting

