Introduction to Software Development & JIRA

Duration: 5 days (8hrs/day)

Prerequisites: N/A

Course Objective: This course aims to equip participants with a thorough understanding of Agile methodologies, particularly Scrum and Kanban, alongside proficiency in utilizing JIRA for project management. By course end, participants will adeptly navigate SDLC principles, master Agile terminology and practices, and effectively utilize JIRA's features to lead and manage Agile teams with confidence.

JIRA Version: Latest

Lab Requirement: Participant JIRA Cloud Trial Account Required

Module 1 – Introduction to SDLC

Introduction to SDLC

Understanding Different types of SDLC

Module 2 – Agile Project Management & Methodologies

Understanding Agile Principles

Advantages of Agile Methodologies

Agile Manifesto & Its Values

Difference between Waterfall & Agile

Introduction to Agile terms

Module 3 – Scrum & Kanban frameworks

Introduction to Scrum Framework

Roles in Scrum: Scrum Master, Product Owner, Development Team (Scrum Team)

Responsibilities of Scrum Roles in Business Justification

Scrum Events: Sprint, Sprint Planning, Daily Standup, Sprint Review, Sprint Retrospective

Introduction to Kanban Methodology

Key Concepts in Kanban: Visualizing Workflow, Work in Progress (WIP) Limits, Continuous Improvement

Module 4 – Sprint Planning & Backlog Grooming

Definition and Importance of Sprint Planning

Steps in Sprint Planning Meeting

Backlog Grooming: Definition and Purpose

Techniques for Effective Backlog Grooming

Module 5 – Introduction to JIRA

Introduction to Different Products of JIRA

Need of Jira

Introduction to Jira Terms

Lab: Setting up JIRA Cloud

Module 6 – Working within an Agile Team

Introduction to JIRA user interface and navigation

Understanding Types of Projects in Jira Cloud

Difference Between Team Managed & Company Managed Projects

Introduction to Projects Tab

Introduction to Issues Tab

Lab: Navigating & Using Projects and Issues Tab

Understanding Issues and Types of issues

Lab: Viewing, Editing & Understanding Issues

Understanding Agile Boards

Lab: Agile Board – Backlog View

Lab: Agile Boards – Kanban

Lab: Methods of Creating Issues

Lab: Searching for Issues

Understanding JQL

Lab: Advanced Searching Using JQL

Understanding Filters

Lab: Creating Filters and Getting email at interval with Filter Results

Understanding Dashboard

Lab: Creating and Editing Dashboards

Understanding the Resolution Field

Module 7 - Leading an Agile Team Using JIRA – For Managers, Product Owners, Scrum Masters

Lab: Creating Projects

Lab: Creating Epics and Stories in Backlog

Understanding Sprints and Sprint Reports in Scrum Projects

Lab: Starting Sprints & Working on Sprints

Lab: Creating Software Versions in Scrum

Lab: Creating Software Releases in Kanban

Lab: Configuring Agile Boards Settings in Team Managed Project

Lab: Creating an Agile Board with Multiple Projects

Lab: Closing Sprints and Viewing Sprint Reports

Lab: Importing & Exporting issues in Excel

Lab: Changing Issues in Bulk

Lab: Configuring Team Managed Projects – Creating issues types, fields, workflows

Understanding Plans

Understanding Timeline Feature of JIRA