

Day - 1

- **Welcome and Overview**

- Icebreaker and introductions.
- Overview of GitLab Duo and its importance in modern DevSecOps.
- Objectives of the training and expected outcomes.

- **GitLab Duo Setup and Configuration**

- Installing and configuring GitLab Duo.
- Overview of system requirements and integration setup.
- Hands-on: Setting up GitLab Duo in a test environment.

- **AI-Driven Code Suggestions**

- How AI assists in code completion and optimization.
- Practical examples of using code suggestions effectively.
- Hands-on: Experimenting with AI-powered code suggestions.

- **Test Generation with GitLab Duo**

- Understanding automated test case generation.
- Benefits of AI-driven testing in DevSecOps.
- Hands-on: Generating and executing test cases with GitLab Duo.

- **Vulnerability Detection and Resolution**

- AI-powered identification of security vulnerabilities.
- Steps to resolve vulnerabilities effectively.
- Hands-on: Detecting and fixing vulnerabilities in sample code.

- **GitLab Duo for Collaboration**

- Enhancing team workflows using GitLab Duo's AI tools.
- Managing projects and automating DevSecOps pipelines.
- Hands-on: Setting up collaborative workflows with GitLab Duo.

- **Best Practices and Advanced Workflows**

- Leveraging AI for continuous integration and deployment (CI/CD).
- Tips for maximizing GitLab Duo's efficiency.
- Hands-on: Advanced CI/CD implementation with GitLab Duo.

- **Wrap-Up and Q&A**

- Recap of the training highlights.
- Open Q&A session for participants.
- Certification and feedback collection.