# 1. Project Overview

Project Name: Website Testing Automation Tool

Start Date: Feb 24 2025

End Date: Apr 11, 2025

# 2. Objectives

Develop a tool to automate functional, performance, and security testing of websites.

Integrate the tool with CI/CD pipelines for seamless testing.

# 3. Milestones

Milestone 1: Requirements Gathering Completion - Feb 24, 2025

Milestone 2: Development Phase Completion – Apr 10, 2025

Milestone 3: Final Presentation and Testing – Apr 11, 2025

# 4. Deliverables

Functional website testing automation tool.

User documentation and setup guide.

Sample test cases and reports.

# 5. Timeline (Gantt Chart)

## Phase 1: Requirements Gathering (Feb 24 )

Stakeholder meetings

User stories and use cases

## Phase 2: Design (March 01 – March 15, 2025)

System architecture design

UI/UX design

## Phase 3: Development (March 15 – Mar 30, 2025)

Tool development

Integration with CI/CD

## Phase 4: Testing (March 30 – Apr 10, 2025)

Functional testing

Performance testing

Security testing

## Phase 5: Final Presentation (Apr 11, 2025)

# 6. Resource Allocation

Team Members:

[Team Member 1] - Role: Developer

[Team Member 2] - Role: Tester

[Team Member 3] - Role: Project Manager

Tools and Technologies:

Selenium, JUnit, Jenkins, GitHub

# 7. Risk Assessment

Risk 1: Delays in requirements gathering

Mitigation: Schedule regular check-ins with stakeholders.

Risk 2: Technical challenges during development

Mitigation: Allocate time for research and prototyping.

# 8. Key Performance Indicators (KPIs)

Number of test cases automated.

Reduction in testing time compared to manual testing.

User satisfaction rating of the tool.

# 9. Conclusion

This project plan outlines the roadmap for developing the Website Testing Automation Tool, ensuring timely delivery and alignment with project objectives.