**Acharya Prashant**

Acharya Prashant Website

**Test Plan Document**

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**INTRODUCTION**

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project “Acharya Prashant Organization”. The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

1. **TEST OBJECTIVES**

The primary objectives of this test plan are:

• To ensure the quality and reliability of the [Project/Application Name].

• To identify and report defects early in the development lifecycle.

• To validate that the system meets its functional and non-functional requirements.

• To assess the usability, compatibility, and performance of the application.

1. **SCOPE OF TESTING**

**2.1 In-Scope**

**1. Functional Testing:** Verifying that the product functions according to its requirements.

**2. Non-Functional Testing**: Including performance, security, usability, and compatibility testing.

**3. Integration Testing:** Ensuring that all system components work together as expected.

**4. Regression Testing:** Confirming that new changes do not break existing functionality.

**5. User Acceptance Testing (UAT):** Involving end-users to assess the product's usability and alignment with business goals.

**6. Load and Stress Testing:** Assessing the product's performance under different load conditions.

**7. Security Testing:** Identifying vulnerabilities and ensuring data protection.

**2.2 Out-of-Scope**

**1. Development Testing**: The code-level unit testing performed by developers.

**2. Third-party System Testing:** Testing of external systems not within the project's control.

**3. Hardware Testing:** Assessing the physical hardware components if not applicable.

**4. Beta Testing:** Post-release testing by a select group of users.

1. **SCHEDULE & ESTIMATION**

**The testing phase is scheduled as follows:**

Start Date: [Start Date]

End Date: [End Date]

**The schedule includes the following milestones:**

1. Test Planning: [Start Date] to [End Date]
2. Test Design and Documentation: [Start Date] to [End Date]
3. Test Environment Setup: [Start Date] to [End Date]
4. Test Execution: [Start Date] to [End Date]
5. Defect Reporting and Resolution: Ongoing during the testing phase
6. Test Closure: [Start Date] to [End Date]
7. **RESOURCE PLANNING**

**4.1 Human Resource:**

1. Test Manager - Manage the whole project.

- Define project directions.

- Acquire appropriate resources.

1. Testers - Identifying and describing appropriate test techniques/tools/automation architecture.

- Verify and assess the Test Approach

- Execute the tests.

- Log results.

- Report the defects.

3. Test Administrator - Builds up and ensures test environment.

- Support Tester to use the test environment for test execution

* 1. **System Resource**: Server, Testing tool, Network, Computer

1. **TEST DELIVERABLES**

Test deliverables are provided as below:

**5.1 Before testing phase**

- Test plans document.

- Test cases documents

- Test Design specifications.

**5.2 During the testing**

- Test Tool

- Simulators.

- Test Data

- Test Trace-ability Matrix

- Error logs and execution logs.

**5.3 After the testing cycles is over**

- Test Results/reports

- Defect Report

- Installation/ Test procedures guidelines

- Release note