**Acceptance Testing**
**UAT Execution & Report Submission**

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|---|---|
| Date | 17 Feb 2026 |
| Team ID | LTVIP2026TMIDS56565 |
| Project Name | Rising Waters: A Machine Learning Approach to Flood Prediction |
| Maximum Marks | 4 Marks |

## 1. Purpose of Document

The purpose of this document is to summarize the test coverage and status of the Rising Waters project at the time of release. This ensures the machine learning model and web interface meet the functional requirements for early warning and disaster response.

## 2. Defect Analysis

This report tracks how bugs identified during development—such as model inaccuracies or UI scaling issues—were resolved.

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|---|---|---|---|---|---|
| By Design | 0 | 1 | 2 | 1 | 4 |
| Fixed | 5 | 8 | 12 | 15 | 40 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Won't Fix | 0 | 0 | 1 | 2 | 3 |
| Totals | 5 | 9 | 15 | 18 | 47 |

## 3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

| Section | Total Cases | Not Tested | Fail | Pass |
|---|---|---|---|---|
| ML Inference Engine | 10 | 0 | 0 | 10 |
| Flask Web App | 15 | 0 | 1 | 14 |
| Data Preprocessing | 8 | 0 | 0 | 8 |
| UI Responsiveness | 5 | 0 | 0 | 5 |
| Model Serialization | 4 | 0 | 0 | 4 |
| Version Control | 42 | 0 | 1 | 41 |