Acceptance Testing

UAT Execution & Report Submission

Date: 15 February 2026
Team ID: PNT2022TMIDS75281
Project Name: Rainfall Prediction System for Agriculture
Maximum Marks: 4 Marks

1. Purpose of Document

The purpose of this document is to explain the test coverage, defect status, and overall readiness of the Rainfall Prediction System at the time of release to User Acceptance Testing (UAT). The document summarizes resolved issues, test case execution results, and system stability.

2. Defect Analysis

The following table shows the number of resolved or closed defects identified during development and testing phases, categorized by severity.

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	3	2	1	2	8
Duplicate	1	0	1	0	2
External Library Issue	0	1	0	1	2
Fixed	5	3	4	6	18
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	0	1
Won't Fix	0	1	0	1	2
Totals	9	7	8	10	34

3. Test Case Analysis

The following table summarizes executed test cases during UAT phase.

Section	Total Cases	Not Tested	Fail	Pass
User Interface (Web Form)	15	0	1	14
Data Validation & Preprocessing	10	0	0	10
Machine Learning Prediction	12	0	1	11
Advisory Generation	8	0	0	8
Exception Handling	6	0	0	6
Model Integration & Deployment	5	0	0	5
Security & Input Validation	4	0	0	4

4. UAT Summary

The Rainfall Prediction System successfully passed the majority of test cases during UAT. Minor UI validation and prediction edge-case issues were identified and resolved. The system is stable, responsive, and ready for deployment. Overall test coverage indicates high reliability and performance compliance.