

Acceptance Testing
UAT Execution & Report Submission

Date	10 February 2026
Team ID	LTVIP2026TMIDS54583
Project Name	Exploratory-Analysis-of-Rainfall-Data-in-India-for-Agriculture
Maximum Marks	4

1. Purpose of Document

The purpose of this document is to explain the test coverage, defect status, and overall system performance of the Rainfall Prediction & Sustainable Water Management System during User Acceptance Testing (UAT). The system was tested to ensure accurate rainfall prediction, climate monitoring, irrigation planning support, and reliable performance before final deployment.

2. Defect Analysis

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
Fixed	3	2	1	2	8
By Design	1	1	0	0	2
Duplicate	0	1	0	0	1
Not Reproduced	0	0	1	0	1
Total	4	4	2	2	12

3. Test Case Analysis

Section	Total Cases	Not Tested	Fail	Pass
Rainfall Prediction Module	20	0	1	19
Climate Monitoring	10	0	0	10
Irrigation Planning	8	0	0	8
Water Harvesting	6	0	0	6

Dashboard & Reports	6	0	0	6
Total	50	0	1	49

Final UAT Status

- 98% test cases passed.
- Minor defects fixed before final release.
- Model validation accuracy improved to 91% after fine tuning.
- System approved for deployment.