

**Acceptance Testing  
UAT Execution & Report Submission**

<b>Date</b>	10 February 2026
<b>Team ID</b>	LTVIP2026TMIDS54583
<b>Project Name</b>	Exploratory-Analysis-of-Rainfall-Data-in-India-for-Agriculture
<b>Maximum Marks</b>	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.