

Date	10 February 2025
Team ID	LTVIP2026TMIDS88736
Project Name	Exploratory analysis of rain fall data in India for agriculture

1. Purpose of Document

The purpose of this document is to describe the User Acceptance Testing (UAT) coverage, validation results, and observations for the project titled "Exploratory analysis of rain fall data in India for agriculture". The UAT ensures that the application meets user expectations, supports rainfall data exploration, visualization, and reporting, and provides reliable outputs for agricultural decision support.

2. Defect Analysis

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	0	1	1	0	2
Duplicate	0	0	1	0	1
External	0	1	0	0	1
Fixed	2	2	1	2	7
Not Reproduced	0	0	0	1	1
Skipped	0	0	1	0	1
Won't Fix	0	0	0	1	1
Totals	2	4	4	4	14

3. Test Case Analysis

Section	Total Cases	Not Tested	Fail	Pass
Data Loading & Cleaning	6	0	0	6
Rainfall Visualization	8	0	0	8
Statistical Analysis	7	0	0	7
Model Evaluation	9	0	0	9
Dashboard & Reporting	6	0	0	6
Security & Access	4	0	0	4
Total	40	0	0	40

4. UAT Results Summary

- 1 All major functional requirements were successfully validated.
- 2 Rainfall datasets were loaded, processed, and visualized without errors.

- 3 Statistical insights and model evaluation metrics were generated correctly.
- 4 Users were able to interpret rainfall trends through dashboards and reports.
- 5 The system is ready for final submission and demonstration.