

Acceptance Testing
UAT Execution & Report Submission

Date	15 February 2026
Team ID	LTVIP2026TMIDS80318
Project Name	Weather-Based Prediction of Wind Turbine Energy Output: A Next-Generation Approach to Renewable Energy Management
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the Weather-Based Prediction of Wind Turbine Energy Output project at the time of release to User Acceptance Testing (UAT).

2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	0	1	1	0	2
Duplicate	0	0	1	0	1
External (API Issue)	1	0	0	0	1
Fixed	2	3	4	3	12
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	1	0	1
Totals	3	4	7	3	17

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
Weather API Integration	6	0	0	6
Web Application (UI & Forms)	8	0	0	8
Machine Learning Model	5	0	0	5
Input Validation & Error Handling	4	0	0	4

Performance Testing	3	0	0	3
Deployment & Cloud Testing	4	0	0	4
Version Control & Code Review	2	0	0	2