Acceptance Testing
UAT Execution & Report Submission

Date	15 February 2026
Team ID	LTVIP2026TMIDS62246
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 Wind Turbine Energy Prediction 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	5	3	2	2	12
Duplicate	1	0	2	0	3
External	2	1	0	1	4
Fixed	8	3	4	10	25
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	2	1	1	4
Totals	16	9	11	15	51

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
Data Preprocessing	10	0	0	10
Model Training & Output	15	0	1	14
API Integration	8	0	1	7
Dashboard UI	12	0	0	12
Visualization Reports	6	0	0	6
Security (API Key)	2	0	0	2
Documentation	3	0	0	3