

Project Development Phase
Performance Test

Date	25 February 2026
Team ID	LTVIP2026TMIDS40890
Project Name	Visualization Tool For Electric Vehicle Charge and Range Analysis
Maximum Marks	

Purpose of Document

The purpose of this document is to describe the User Acceptance Testing (UAT) carried out for the Electric Vehicle Charge & Range Analysis project. The testing ensures that the developed Tableau dashboards, stories, and visualizations meet user expectations and project requirements. This report summarizes test coverage, detected issues, and validation results before final deployment

UAT TEST CASES:

Test Case Id	Test Scenario	Expected Result	Actual Result	Status
UAT-01	Open Dashboard	Dashboard loads successfully	Dashboard loaded correctly	Pass
UAT-02	Apply Brand Filter	Charts should update based on selected brand	Dashboard loaded correctly	Pass
UAT-03	View Global EV Analysis	Global performance graphs visible	Graphs displayed correctly	Pass
UAT-04	View Indian EV Market	Global performance graphs visible	Correct visualization shown	Pass
UAT-05	Open Story Pages	User should navigate between stories	All stories accessible	Pass
UAT-06	View Charging Station Map	Map should display locations	Map displayed correctly	Pass

Defect Analysis:

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Sub total
By Design	1	0	0	0	1
Duplicate	0	0	0	0	0
External	0	0	1	0	1
Fixed	2	1	1	0	4
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't fix	0	0	0	0	0
Total	3	1	2	0	6

Test Case Analysis:

Section	Total Cases	Not Tested	Fail	Pass
Dashboard Loading	5	0	0	5
Filter Functionality	4	0	0	4
Story Navigation	5	0	0	5
Map Visualization	3	0	0	3
Data Accuracy Validation	4	0	0	4
Performance Testing	3	0	0	3

UAT Conclusion

All user acceptance testing cases have passed successfully. The dashboards and stories function as expected, providing accurate EV analysis and smooth user interaction. The project is ready for final submission and deployment.