

**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         |
| <b>Total</b>   | <b>3</b>   | <b>1</b>   | <b>2</b>   | <b>0</b>   | <b>6</b>  |

**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.