# **Functional & Performance Testing Template**

**Model Performance Test**

| Date | 16 june 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID14955 |
| Project Name | Traffic telligence:Ad Advance traffic volume estimation with Machine Learning |
| Maximum Marks | 4 marks |

## **Test Scenarios & Results**

Test Case ID Module/Feature Test Description Preconditions Test Steps Expected Result Actual Result Status (Pass/Fail) Tester Remarks

TC\_FT\_001 Login Verify valid login User registered 1. Go to login page

2. Enter valid credentials

3. Click login User navigates to dashboard As expected Pass John D. -

TC\_FT\_002 Login Verify invalid login - 1. Go to login page

2. Enter invalid credentials

3. Click login Error message displayed As expected Pass Mary J. Add more edge cases

Performance Testing Template

Test Case ID Scenario Type of Test (Load, Stress, Soak, Spike) Test Tool No. of Users/Load Test Steps Expected Response Time Actual Response Time Status Remarks

TC\_PT\_001 Login page Load Test JMeter 100 users Simulate 100 users logging in simultaneously < 3 seconds 2.8 seconds Pass -

TC\_PT\_002 Checkout Stress Test LoadRunner 1000+ users Increase users until system fails System fails gracefully > 1200 users Failed at 1100 users Fail Investigate server config

Notes:

Functional Testing focuses on verifying software functions based on requirements (e.g., login, search, form validation).

Performance Testing ensures the system performs well under expected or extreme conditions (e.g., response time, throughput).