Functional & Performance Testing Template

Model Performance Test

Date	30 June 2025
Team ID	LTVIP2025TMID32889
Project Name	Project -TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (e.g., topic, job title)	Enter valid and invalid text in input fields	Valid inputs accepted, errors for invalid inputs	Valid input accepted; invalid entries trigger appropriate errors	Pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside the valid range	Accepts valid values, shows error for out-of-range	Valid action works correctly; errors shown as expected	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Content generation matches input criteria	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responds successfully with validkey;fails with invalid	Pass

PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Avarage response time :2.6 seconds	Pass
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	Stable response across request ; minor fluctuation	Pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	All files processed ; nocrash or memory issues	Pass