Functional & Performance Testing Template

Model Performance Test

Date	28 june 2025
Team ID	LTVIP2025MID44706
Project Name	Project -Traffic Volume Estimation
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	Accepts valid data (e.g., "500 vehicles"), errors for "abc"	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	Accepts 0-1000 vehicles/hour, errors for 1500	pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Predicts 450 vehicles/hour (matches test data)	pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responds successfully	pass

				2.1 seconds	pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds		
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	Handles 100 calls, 2.5s avg response	pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Processes 5 PDFs, no crash	pass