Functional & Performance Testing Template
Model Performance Test

Date	21 February 2026
Team ID	LTVIP2026TMIDS56025
Project Name	Exploratory analysis of rain fall data in india for agriculture
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 text accepted successfully. Empty fields and special-character-only inputs triggered validation error message.	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	Accepted values within range (100–2000 words). Displayed error for negative	pass

				numbers and values above limit.	
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Generated accurate, context-relevant content based on rainfall dataset inputs. No missing sections.	
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	Valid API key returned 200 response. Invalid key returned authentication error (401).	pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Average normal l	
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	Handled 20 concurrent requests with minor	pass

				latency increase (2.4s 3.1s). Within acceptable limit.	
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	crashing Success (5MB	pass