Functional & Performance Testing Template

Model Performance Test

Date	27 February 2025
Team ID	LTVIP2025TMID30136
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
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 inputs accepted, errors for invalid inputs	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 valid values, shows error for out-of-range	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Correct content is generated based on input	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responds successfully	Pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Content Generation takes 3 seconds	Pass
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	API is not slow down	Pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	working smoothly without crashing	Pass