

## Functional & Performance Testing

### Model Performance Test

Date	21 February 2026
Team ID	LTVIP2026TMIDS24242
Project Name	Gemini Historical Artifact Description
Maximum Marks	

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Artifact Name Validation	Enter valid names (e.g., "Pyramids") and empty strings in the text input.	Valid names accepted; empty input shows "Please enter a name" warning.	Warning displayed for empty input; valid name processes correctly.	Pass
FT-02	Word Count Slider Validation	Adjust the slider between 500 and 2000.	Slider moves smoothly and updates the word_count variable.	Slider updates value correctly.	Pass
FT-03	Text Content Generation	Enter "Viking Shield" and click "Generate Description".	Comprehensive Markdown description with 5 sections generated.	Generated text includes all 5 requested sections.	Pass
FT-04	API Connection Check	Check the sidebar status indicator on load.	Indicator shows "Gemini API Connected" (Green).	Sidebar shows "Connected".	Pass
FT-05	Image Analysis Generation	Upload a valid JPG image of a vase and click "Analyze".	System identifies object as "Greek Amphora" with details.	Object correctly identified with details.	Pass
PT-01	Text Response Time	Measure time from clicking "Generate" to result display.	Should be under 5-8 seconds (Gemini Flash model).	Average time was 4.2 seconds.	Pass
PT-02	Image Upload Speed	Upload a 5MB high-res image.	Image preview should appear within 1 second.	Preview appeared in 0.8 seconds.	Pass
PT-03	API Rate Limit Handling	Click "Generate" 5 times in rapid succession.	System should handle requests or show "Too Many Requests" gracefully.		