

Functional & Performance Testing Template
Model Performance Test

Date	2 February 2026
Team ID	LTVIP2026TMIDS50288
Project Name	Gemini Historical Artifact Description
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	Artifact Name Text Input	Enter valid artifact name (e.g., “Ashoka Pillar”) and invalid symbols	Valid name accepted, invalid input restricted	Valid name accepted and system processed input	PASS
FT-02	Image Upload Validation	Upload JPG/PNG image and try unsupported file	Valid name accepted, invalid input restricted	JPG/PNG uploaded successfully	PASS
FT-03	Empty Input Check	Click Generate without uploading image	Show error message	System displayed error “No file uploaded”	PASS
FT-04	AI Description Generation	Upload image and click Generate	AI generates historical description	Description generated with origin & usage details	PASS

FT-05	Text Prompt Handling	Enter prompt + image	AI considers prompt while generating output	Output generated according to prompt	PASS
FT-06	Output Display	After generation, view description on screen	Description shown properly on UI	Description displayed correctly in Streamlit page	PASS
FT-07	API Connection Check	Run system with internet	Gemini API responds successfully	API responded and returned description	PASS
PT-01	Response Time	Upload image and generate description	Should generate within 5–10 seconds	Generated within few seconds	PASS
PT-02	Multiple Requests	Generate description multiple times	System should not crash	System worked continuously	PASS
PT-03	Large Image Handling	Upload high resolution image	Should still process image	Image processed successfully	PASS