# Functional & Performance Testing Template

## Model Performance Test

| Date | 2 February 2026 |
|---|---|
| Team ID | LTVIP2026TMID8993 |
| 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 |

| | | After generation, view description on screen | Description shown properly on UI | Description displayed correctly in Streamlit page | PASS |
|---|---|---|---|---|---|
| FT-06 | Output Display | | | | |
| 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 |