Acceptance Testing
UAT Execution & Report Submission

Date	2 February 2026
Team ID	LTVIP2026TMID8993
Project Name	Gemini Historical Artifact Description
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to describe the test coverage, testing results, and any open issues of the **Gemini Historical Artifact Description System** at the time of its release for User Acceptance Testing (UAT).

This document ensures that all functional modules including image upload, text prompt handling, AI description generation, and API integration have been tested successfully before deployment. It also confirms that the system is stable, secure, and ready for user evaluation.

Scope of Testing

The scope of testing covers all major functional and non-functional components of the Gemini Historical Artifact Description System. The following modules were tested:

- Uploading artifact images (JPG, JPEG, PNG formats)
- Entering text prompts for artifact explanation
- Generating historical descriptions using the Gemini AI model
- Displaying the generated output in the web interface
- Error handling for invalid or missing input
- API connectivity and response handling
- System performance and response time

Testing was performed to ensure that the system works correctly under normal user conditions.

Test Summary Report

During testing, all core functionalities of the system were executed successfully. The application correctly accepted user input, processed the artifact image, and generated a meaningful historical description through the Gemini API.

The system showed stable behavior without crashes. The response time for generating descriptions was within acceptable limits. The output displayed correct historical information such as origin, usage, and cultural significance of the artifact.

Overall, the system met the expected requirements and performed as designed.

2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	0	1	1	1	3
Duplicate	0	0	1	0	1
External	0	1	0	1	2
Fixed	1	2	2	3	8
Not Reproduced	0	0	1	0	1
Skipped	0	0	0	1	1
Won't Fix	0	0	1	0	1
Totals	1	4	6	6	17

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
User Interface (Input & Display)	6	0	0	6
Image Upload Module	4	0	0	4
AI Description Generation	5	0	0	5
API Connectivity (Gemini Integration)	3	0	0	3
Error Handling	3	0	0	3
Security (API Key Protection)	2	0	0	2
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control (GitHub)	2	0	0	2
Total	38	0	0	38