

Project Design Phase
Proposed Solution Template

Date	20 February 2026
Team ID	LTVIP2026TMIDS79258
Project Name	Gemini Historical Artifact Description
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many students and researchers face difficulty in analyzing and documenting historical artifacts properly. Manual research takes time, requires subject knowledge, and often results in unstructured reports. There is a need for an automated system that can quickly generate structured and detailed artifact analysis.
2.	Idea / Solution description	Gemini Historical Artifact is an AI-powered web application that generates structured artifact analysis reports using the Gemini model. Users upload an artifact image or provide a description, and the system generates details such as historical background, cultural significance, material information, and time period through a simple Streamlit interface..
3.	Novelty / Uniqueness	Unlike traditional platforms that provide fixed content, this system dynamically generates customized artifact reports in real-time based on user input. It supports both image-based and text-based analysis, making it interactive and flexible..
4.	Social Impact / Customer Satisfaction	The solution saves time for students and researchers by automating artifact documentation. It improves productivity, supports digital learning, and makes historical knowledge more accessible..
5.	Business Model (Revenue Model)	The application can follow a freemium model where basic features are free, and advanced features like multi-language support, PDF downloads, and detailed reports are available through subscription. Revenue can also be generated through institutional partnerships and API usage.
6.	Scalability of the Solution	The system can be deployed on cloud platforms and handle multiple users simultaneously. It can be expanded with features like user accounts, artifact databases, and AI-based classification in the future..