

**Project Design Phase**  
**Proposed Solution Template**

Date	2 February 2026
Team ID	LTVIP2026TMIDS50288
Project Name	Gemini Historical Artifact Description
Maximum Marks	2 Marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Understanding historical artifacts requires reading many books, research papers and websites. Students and beginners cannot easily find clear, structured and reliable information. The process is time-consuming and confusing for nonexperts.
2.	Idea / Solution description	The system is a web-based AI application where the user enters the name (or small details) of a historical artifact. The Generative AI model automatically produces a detailed description including origin, history, cultural importance and usage in simple language.
3.	Novelty / Uniqueness	Unlike normal search engines, the system does not just show links — it <i>generates</i> a complete explanation instantly. It uses a Large Language Model (Gemini/LLM) with prompt-based generation, so even beginners can understand artifacts without research knowledge.
4.	Social Impact / Customer Satisfaction	Helps students, teachers, researchers, museum visitors and history lovers quickly learn about artifacts. It supports education, improves knowledge accessibility and encourages interest in history and culture. Users save time and get structured information easily.
5.	Business Model (Revenue Model)	Freemium model: basic usage is free for students. Premium version can provide unlimited queries, downloadable reports and API access for schools, museums and educational institutions. Ads or institutional subscription can generate revenue.

6.	Scalability of the Solution	The system can be deployed on cloud servers and easily handle many users simultaneously. It can be expanded to include image-based artifact recognition, multilingual descriptions and integration with museum databases in the future.
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