Project Design Phase
Problem – Solution Fit Template

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

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- Solve the difficulty of understanding historical artifacts quickly without reading many books or research papers.

- Help students, researchers, and beginners get clear and structured artifact information using AI image + text input.

- Improve learning experience by providing instant descriptions, origin, cultural importance, and usage of artifacts.

- Reduce time and effort spent on manual searching across websites, libraries, and museums.

- Provide an intelligent educational tool that supports modern digital learning and self-study.

- Understand the existing learning problems in history education and improve accessibility through an easy web application.

Template:

Problem-Solution Fit Canvas – Gemini Historical Artifact Description System

Translate problems into solutions, that will be adopted.

1 CUSTOMER SEGMENTS (CS)

- Students (school & college) studying history subjects
- Teachers & lecturers preparing notes/materials
- Researchers & historians needing quick artifact information
- Museum visitors / tourists curious about artifacts
- General users interested in history learning

CS

3 TRIGGERS & EMOTIONS (TR) — & EM

- Before exams or assignments
- During project/examiner preparation
- When visting museums or historical places
- While browsing atternat and seeing unknown artifact image

4 BEHAVIOUR (BE)

- What users currently do?
- Search in Google repeatedly
- Scroll many websites
- Watch long videos
- Ask teachers/friends
- Ignore learning due to difficulty

CS

2 JOBS-TO-BE-DONE / PROBLEMS (J&P)

- Hard to understand historical artifacts quickly
- Information scattered across books and websites
- Manual research takes too much time
- Beginners don't know how to identify artifacs
- No single platform giving simple explanation

BEFORE	AFTER USING SYSTEM
Confused	· Clear understanding
Frustrated	· Happy & confident
Time-wasted	· Saves time
	· Interested in learning history

4 BEHAVIOUR (BE)

- What users currently do?
- Search in Google repeatedly
- Scroll many websites
- Watch long videos
- Ask teachers/friends
- Ignore learning due to do difficulty

CH

8. CHANNELS (BE)	**8.2 OFFLINE CHANNELS (CH)**
· Museums & historical axtibitions.	· Museums & historcd axtibitioms.
· College classroom inaching	· College classroom inaching
· Library books and harory caxtrputs	· Library books and harory casttputs
· Teacher explanation during lectures	· Teacher explanation during lectures

JCP

5 TRIGGERS & EMOTIONS (TR)

- Google search
- Wikipedia articles preparation
- YouTube videos
- Books & journals
- Teacher explanation
- Problems. long reading. complex language, slow process)

6 AVAILABLE SOLUTIONS (AS)

- Google search
- Wikipedia articles
- YouTube videos
- Books & journals
- Teacher explanation

(Problems: long reading, competex language, slow process)

9. PROBLEM ROOT CAUSE (RC)

- 3L ONLINE CHANNELS
- Web application (Streamir websiter)
- Labingyl Moblic bnuaer (Chrome, Edgc. Inportes)
- Google search to find artifact information
- Uploading artifact image through the website
- Educational plattorms & online learning resources

CH