

**Project Design Phase**  
**Problem – Solution Fit Template**

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|---------------|--|
| Date          | 2 February 2026                        |
| Team ID       | LTVIP2026TMIDS74087                    |
| 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.

|  |  |  |  |  |
|--|--|--|--|--|
| <b>1 CUSTOMER SEGMENTS (CS)</b> <ul style="list-style-type: none"> <li>Students (school &amp; college) studying history subjects</li> <li>Teachers &amp; lecturers preparing notes/materials</li> <li>Researchers &amp; historians needing quick artifact information</li> <li>Museum visitors / tourists curious about artifacts</li> <li>General users interested in history learning</li> </ul> | <b>2 JOBS-TO-BE-DONE / PROBLEMS (J&amp;P)</b> <ul style="list-style-type: none"> <li>Hard to understand historical artifacts quickly</li> <li>Information scattered across books and websites</li> <li>Manual research takes too much time</li> <li>Beginners don't know how to identify artifacts</li> <li>No single platform giving simple explanation.</li> </ul> <table border="1"> <tr> <td> <b>BEFORE</b> <ul style="list-style-type: none"> <li>Confused</li> <li>Frustrated</li> <li>Time-wasted</li> </ul> </td> <td> <b>AFTER USING SYSTEM</b> <ul style="list-style-type: none"> <li>Clear understanding</li> <li>Happy &amp; confident</li> <li>Saves time</li> <li>Interested in learning history</li> </ul> </td> </tr> </table> | <b>BEFORE</b> <ul style="list-style-type: none"> <li>Confused</li> <li>Frustrated</li> <li>Time-wasted</li> </ul>  | <b>AFTER USING SYSTEM</b> <ul style="list-style-type: none"> <li>Clear understanding</li> <li>Happy &amp; confident</li> <li>Saves time</li> <li>Interested in learning history</li> </ul>   | <b>5 TRIGGERS &amp; EMOTIONS (TR)</b> <ul style="list-style-type: none"> <li>Google search</li> <li>Wikipedia articles preparation</li> <li>YouTube videos</li> <li>Books &amp; journals</li> <li>Teacher explanation</li> </ul> <p>Problems: long reading, complex language, slow process)</p>  |
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| <b>3 TRIGGERS &amp; EMOTIONS (TR) – 1 EM</b> <ul style="list-style-type: none"> <li>Before exams or assignments</li> <li>During project/examiner preparation.</li> <li>When visiting museums or historical places</li> <li>While browsing internet and seeing unknown artifact image</li> </ul>  | <b>4 BEHAVIOUR (BE)</b> <ul style="list-style-type: none"> <li>What users currently do?</li> <li>Search in Google repeatedly</li> <li>Scroll many websites</li> <li>Watch long videos</li> <li>Ask teachers/friends</li> <li>Ignore learning due to difficulty</li> </ul>  | <b>6 AVAILABLE SOLUTIONS (AS)</b> <ul style="list-style-type: none"> <li>Google search</li> <li>Wikipedia articles</li> <li>YouTube videos</li> <li>Books &amp; journals</li> <li>Teacher explanation</li> </ul> <p>(Problems: long reading, complex language, slow process)</p> |  |  |
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