

## Project Design Phase

### Problem – Solution Fit Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS34956
Project Name	Gemini Historical Artifact Description App
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:

The purpose of the Problem–Solution Fit is to validate that:

- A real and significant problem exists for the target users.
- The proposed AI-powered solution effectively solves that problem.
- The solution aligns with user behavior, constraints, and expectations.
- The application delivers measurable value to its users.

In this project, the goal is to ensure that the **Gemini Historical Artifact Description App** genuinely addresses the challenges faced by students, researchers, bloggers, and educators when creating structured historical content.

#### Template:

Simplified CC	<b>1. CUSTOMER SEGMENT(S)</b> <ul style="list-style-type: none"><li>History students</li><li>Researchers</li><li>Museum curators</li><li>Bloggers</li><li>Content writers</li><li>Educators</li><li>Academic institutions</li></ul>	<b>6. CUSTOMER CONSTRAINTS</b> <ul style="list-style-type: none"><li>Limited time</li><li>Lack of research access</li><li>Limited academic writing skills</li><li>Internet dependency</li><li>Budget constraints</li></ul>	<b>5. AVAILABLE SOLUTIONS</b> <ul style="list-style-type: none"><li>Manual research (books, Google search, 📖)</li><li>Wikipedia articles</li><li>Academic journals 📄</li><li>Copywriting services</li><li>Other generic AI tools 🤖</li></ul> <b>Limitations:</b> <ul style="list-style-type: none"><li>Time-consuming ⏰</li><li>Not structured properly</li><li>Requires editing effort</li></ul>	<b>AS</b>		
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <ul style="list-style-type: none"><li>Generate structured historical blog content</li><li>Write academic descriptions quickly ⚡</li><li>Prepare exhibition materials</li><li>Create educational content</li><li>Develop research drafts</li></ul>	<b>9. PROBLEM ROOT CAUSE</b> <ul style="list-style-type: none"><li>Manual content creation is time-consuming</li><li>Requires research expertise 🧠</li><li>Lack of structured output 📄</li><li>Repetitive effort for different word count counts</li></ul>	<b>9. PROBLEM ROOT CAUSE</b> <ul style="list-style-type: none"><li>Manual content creation is time-consuming</li><li>Requires research expertise 🧠</li><li>Lack of structured output 📄</li><li>Repetitive effort for different word counts</li></ul> <b>Use the time:</b> <ul style="list-style-type: none"><li>Assignment deadlines, Google search, 📄</li><li>Limited academic writing 📖</li><li>Internet dependency, 📄</li><li>Budget constraints</li></ul>	<b>BE</b>		
TRIGGERS	<b>3. TRIGGERS</b> <ul style="list-style-type: none"><li>Assignment deadlines</li><li>Blog content creation need</li><li>Museum exhibition preparation</li><li>Research paper drafting</li><li>Academic projects</li></ul>	<b>8. YOUR SOLUTION</b> <ul style="list-style-type: none"><li>Search Google for artifact (Stramit) 📄</li><li>Cloud deployment</li><li>API integration</li></ul>	<b>10. YOUR SOLUTION</b> <b>THE GEMINI HISTORICAL ARTIFACT DESCRIPTION APP</b> <ul style="list-style-type: none"><li>AI-powered blog generation</li><li>Structured content format</li><li>Custom word count selection</li><li>Instant generation</li><li>Download feature</li><li>Scalable cloud architecture</li></ul>	<b>SL</b>		
EMOTIONS	<b>4. EMOTIONS: BEFORE / AFTER</b> <table><tr><td><b>Before:</b><ul style="list-style-type: none"><li>Confused</li><li>Pressured by deadlines</li><li>Lack of structured information</li><li>Time constraint stress</li></ul></td><td><b>After:</b><ul style="list-style-type: none"><li>Confident</li><li>Productive</li><li>Satisfied</li><li>Efficient</li></ul></td></tr></table>	<b>Before:</b> <ul style="list-style-type: none"><li>Confused</li><li>Pressured by deadlines</li><li>Lack of structured information</li><li>Time constraint stress</li></ul>	<b>After:</b> <ul style="list-style-type: none"><li>Confident</li><li>Productive</li><li>Satisfied</li><li>Efficient</li></ul>	<b>8. CHANNELS of BEHAVIOUR</b> <ul style="list-style-type: none"><li>Online:<ul style="list-style-type: none"><li>Web application (Streamlit) 🌐</li><li>Cloud deployment</li><li>API integration</li></ul></li></ul>		
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