

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	1 February 2026
Team ID	LTVIP2026TMIDS91648
Project Name	Gemini Historical Artifact Description
Maximum Marks	4 Marks

#### Step-1: Team Gathering & Problem Selection

##### Team Collaboration Process

The team conducted structured brainstorming to explore real-world applications of Generative AI in educational and cultural domains.

##### Discussion Areas Explored:

- AI museum description generator
- AI historical timeline builder
- AI artifact storytelling assistant
- AI research abstract generator
- AI cultural heritage explainer

**After evaluating feasibility and implementation scope, the team selected:**

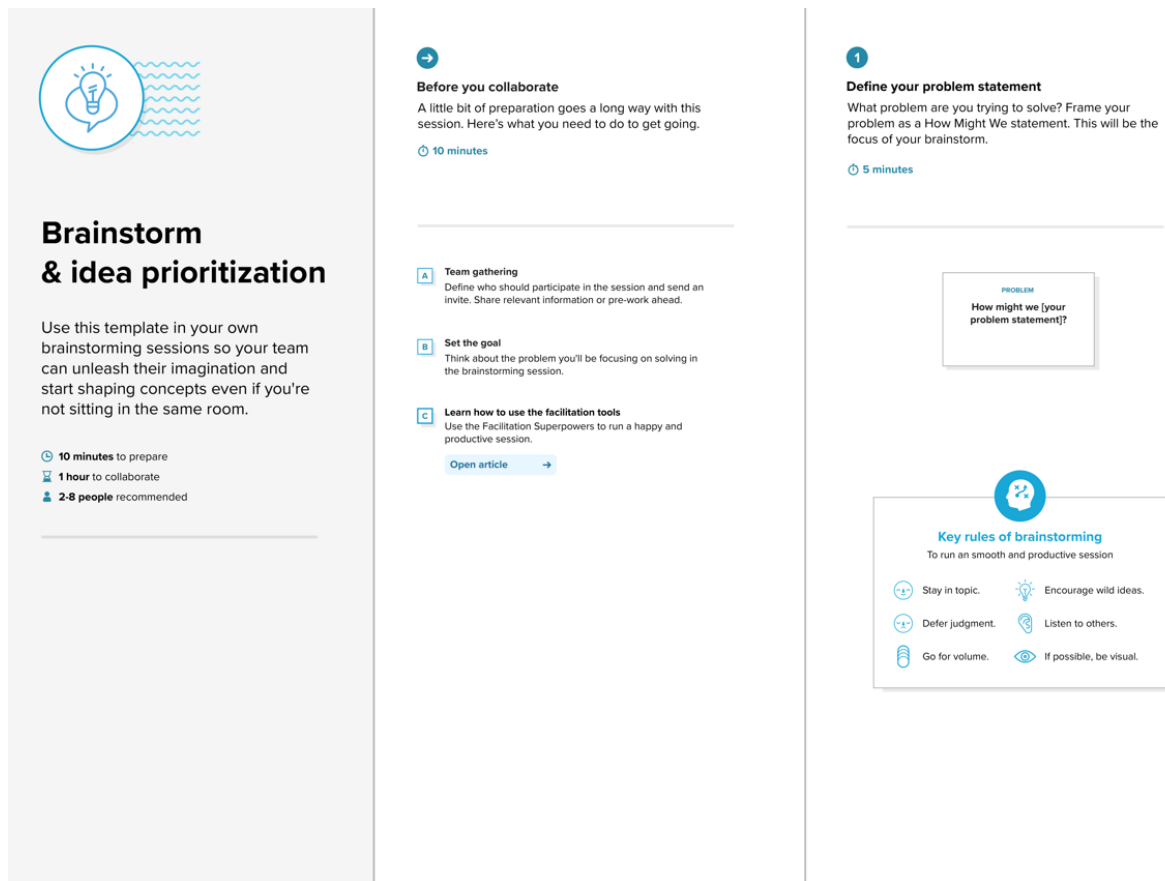
##### Final Problem Statement

###### Problem:

Historians, museum curators, and students spend significant time writing detailed artifact descriptions for research papers, blogs, and exhibitions. The process requires historical accuracy, artistic context, and structured formatting.

###### Selected Solution:

Develop an AI-powered web application that automatically generates detailed historical artifact descriptions based on user input using Google Gemini API.



## Step-2: Brainstorm, Idea Listing and Grouping

### Raw Ideas Generated:

- Generate artifact descriptions
- Word count customization
- Download as PDF
- Download as Markdown
- Display historical fact during loading
- Multi-language support
- Save previous descriptions
- Add artistic style analysis
- Generate image prompts
- Dark mode UI
- User authentication
- Save previous recipes
- Dark mode UI

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**Brainstorm**

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

**TIP**

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!



3

**Group ideas**

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

⌚ 20 minutes

Person 4

**TIP**

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mind.

**Step-3: Idea Prioritization****A prioritization matrix was applied using two factors:**

- Impact (Value to user)
- Effort (Development complexity)

This helped the team select features that provide maximum user value with manageable implementation effort.

**High Impact – Low Effort (Selected for Implementation)****These features were implemented in Gemini Historical Artifact Description:**

1. AI-generated historical artifact description  
Automatically generates structured and detailed descriptions using Google Gemini.
2. Word count customization  
Allows users to specify desired length (e.g., 800, 1200, 1500 words).
3. PDF download option  
Enables users to download the generated description in PDF format.
4. Interactive Streamlit UI  
Simple and user-friendly web interface for entering artifact name and word count.
5. Interesting historical fact during loading  
Displays a random engaging historical fact while the AI generates the content.

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**Prioritize**

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

