

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	31 January 2026
Team ID	LTVIP2026TMIDS66290
Project Name	Gemini historical artifact description
Maximum Marks	4 marks

#### **Brainstorming for “Gemini historical artifact description”:**

Brainstorming for the project “Gemini Historical Artifact Description” focuses on exploring how artificial intelligence can help identify, analyze, and describe historical artifacts accurately. The main goal of this brainstorming session is to generate ideas on how Gemini can assist students, researchers, and museums in understanding the origin, cultural significance, and historical context of artifacts.

Gemini can solve this problem by using image analysis and natural language processing to examine artifact images and automatically generate detailed descriptions, including information about the artifact’s time period, material, origin, and cultural importance.

#### **Step-1: Team Gathering, Collaboration and Select the Problem Statement:**

The screenshot shows a template for a brainstorming session titled "Brainstorm & idea prioritization". The interface is divided into several sections:

- Template:** A vertical sidebar on the left.
- Header:** Features a lightbulb icon and the title "Brainstorm & idea prioritization".
- Before you collaborate:** A section with a timer icon and instructions: "A little bit of preparation goes a long way with this session. Here's what you need to do to get going." It includes a "10 minutes" button.
- Define your problem statement:** A section with a timer icon and instructions: "What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm." It includes a "10 minutes" button.
- Body Content:** A large central area containing:
  - Team gathering:** "Define who should participate in the session and send an invite. Share relevant information or pre-work ahead." Includes a "10 minutes" button.
  - Set the goal:** "Define the problem you'll be focusing on during the brainstorming session." Includes a "10 minutes" button.
  - Learn how to use the facilitation tools:** "Use the Facilitation Superpowers to run a happy and productive session." Includes a "Open article" button.
  - Gemini: Historical Artifact Description:** A detailed description of Gemini's capabilities: "Gemini is an advanced AI system designed to analyze and describe historical artifacts with accuracy and context. It helps researchers, students, and historians understand the origin, cultural significance, and evolution of artifacts. By combining machine learning and historical data, Gemini provides detailed descriptions, timelines, and interpretations. This improves education, preservation, and accessibility of historical knowledge." Includes a "Read more" button.
- Footer:** A black bar at the bottom featuring a grid of small icons and a "Need some inspiration?" link with a "View examples" button.

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

**2**

**Brainstorm – Gemini Historical Artifact System**

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

⌚ Time: 10 minutes

**TIP**  
Use your sticky notes  
to capture artifacts available  
within your field of history

Person 1 Archivist	Researcher Researcher	Person 3 Student	Student Student	Person 4 Wtutemvs
Digitize Gemini historical artifacts	Provide searchable artifact database	Learn about Gemini space missions	Learn about Gemini space missions	Upload artifact records digitally
Store artifact images and mission records	Access artifact mission details easily	Access artifact mission details	Use artifact data for education	Maintain artifact documentation
Track artifact preservation status	Support historical research	Support historical research	Improve space history awareness	Protect historical artifacts

  

Person 5 Administrator	Administrator Developer	Developer Developer	Educator Educator	Space Agency Staff
Manage artifact database securely	Build user-friendly interface	Implement artifact search system	Use artifacts for teaching	Preserve space mission heritage
Control user access	Control user access	Integrate cloud storage	Provide educational metacurricula	Maintain artifact archive
Maintain artifacts records	Maintain system performance	Improve system performance	Support space educationon	Share artifact data globally

**3**

**Group Ideas – Gemini Historical Artifact System**

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

⌚ 20 minutes

**Group 1 : Artifact Preservation**

- Digitize artifacts
- Prevent deterioration
- Track preservation status
- Maintain artifact records
- Maintain artifact records
- Prevent artifact records

**Group 2 : Artifact Database Management**

- Store artifact data securely
- Manage artifact information
- Maintain artifact storage
- Maintain cloud storage

**Group 3 : Artifact Access and Search**

- Search artifact information
- View artifact details and images
- Easy access for researchers and students
- Online artifact system

**Group 4 : Research and Education Support**

- Support historical research
- Provide educational resources
- Improve learning and awareness
- Help researchers and educators

**Group 5 : System Management and Security**

- Secure artifact data
- Manage user access
- Maintain system performance
- Maintain system performance
- Help researchers and educators

## Step-3: Idea Prioritization

Idea prioritization for the Gemini Historical Artifact Description project focuses on selecting the most valuable and impactful features that improve artifact identification and understanding.

**4**

**Prioritize – Gemini Historical Artifact System**

Your team should focus on the most important and feasible ideas for preserving Gemini historical artifacts.

⌚ 30 minutes

**TIP**  
Prioritize ideas by discussing and placing sticky notes on the grid below. Note that High Importance + High Feasibility = Very Feasible

		Importance ↑	Feasibility →
		High Importance + High Feasibility	
Importance	Feasibility	<ul style="list-style-type: none"> <li>• Implement artifact preservation monitoring system           <ul style="list-style-type: none"> <li>- Track artifact condition and preservation status</li> <li>- Maintain preservation history</li> </ul> </li> </ul>	
		<ul style="list-style-type: none"> <li>• Provide artifact search and viewing system           <ul style="list-style-type: none"> <li>- Allow users to search artifacts by mission, author, or artifact name</li> <li>- Display artifact information clearly</li> </ul> </li> </ul>	
		High Importance + Medium Feasibility	
		<ul style="list-style-type: none"> <li>• Implement artifact preservation monitoring           <ul style="list-style-type: none"> <li>- Track artifact condition and preservation status</li> <li>- Maintain preservation history</li> </ul> </li> </ul>	
		Medium Importance + High Feasibility	
		<ul style="list-style-type: none"> <li>• Provide educational access platform           <ul style="list-style-type: none"> <li>- Allow students and educators to learn from artifact data</li> <li>- Support research and education</li> </ul> </li> </ul>	
		Medium Importance + Medium Feasibility	
		<ul style="list-style-type: none"> <li>• Provide educational access platform           <ul style="list-style-type: none"> <li>- Allow students and educators to learn from artifact data</li> <li>- Support research and education</li> </ul> </li> </ul>	

Note: artifacts are in order: water, wood & silk, iron, ceramic, Neolithic, Bronze, early Iron Age, Roman, Medieval, Early Modern

**4**

**After you collaborate**

Select the most important and feasible solution: Centralized Gemini Historical Artifact Digital Preservation System

Create system prototype (MVP)

- Artifact upload and storage
- Artifact search and display
- Allow remote access
- Artifact management system
- Artifact management system

Future improvements

- Artifact condition monitoring
- Cloud integration
- Advanced artifact analysis
- Advanced artifact analysis

**Here certainly we chose “Using Gemini Historical Artifact Description to analyze artifacts and generate accurate historical information”** as our most prioritized idea. Among all other ideas, this was the most important to us because the main purpose of our project is to help users understand historical artifacts clearly and correctly. If Gemini does not provide accurate descriptions, then the information about the artifact’s origin, time period, material, and cultural significance may not be reliable. Therefore, ensuring that Gemini can properly analyze and describe historical artifacts is our top priority.

**Then comes our second most important idea,** which is “Collaborating with museums, historians, and cultural organizations to use Gemini Historical Artifact Description for artifact documentation.” This was taken as our second priority because it helps preserve cultural heritage and supports social responsibility. By working with museums and organizations, Gemini can help digitally document artifacts and make historical knowledge more accessible to students, researchers, and the public.

**Then comes our next idea, which** is “Providing additional features such as multilingual descriptions, artifact comparison, and digital catalog support using Gemini Historical Artifact Description.” After achieving our main goal, we will expand the system to include these advanced features. This will make the project more useful by helping users understand artifacts in different languages, compare similar artifacts, and maintain organized digital records. This will increase the overall value and effectiveness of the Gemini Historical Artifact Description project.