

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	31 January 2026
Team ID	LTVIP2026TMIDS73001
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:

<div>Template</div> <div></div> <div>Brainstorm & idea prioritization</div> <div>Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.</div> <div><div>10 minutes to prepare</div><div>1 hour to collaborate</div><div>2-8 people recommended</div></div> <div><div><div>Need some inspiration?</div><div>Use a random concept and combine it with whatever your team thinks is relevant.</div><div>Brainstorm</div></div></div>	<div><div>Before you collaborate</div><div>A little bit of preparation goes a long way with this session. Here's what you need to do to get going.</div><div>10 minutes</div></div> <div><div>1 Team gathering</div><div>Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.</div></div> <div><div>2 Set the goal</div><div>Think about the problem you're looking to solving in the brainstorming session.</div></div> <div><div>3 Learn how to use the facilitation tools</div><div>Use the Facilitation Tools to make a happy and productive session.</div><div>Open article</div></div>	<div><div>4 Define your problem statement</div><div>What problem are you trying to solve? Frame your problem as a how might we statement. This will be the focus of your brainstorm.</div><div>15 minutes</div></div> <div><div>Gemini: Historical Artifact Description</div><div>Know</div><div>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.</div><div><div>Helpful to building further on each idea.</div><div>Brainstorming is a collaborative effort.</div></div></div>
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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

TP Try your ideas sticky note. Its ok to change or delete as you brainstorm.

Person 1
Archivist

- Digitize Gemini historical artifacts
- Store artifact images and mission records
- Track artifact preservation status

Person 2
Researcher

- Provide searchable artifact database
- Access artifact mission details easily
- Support historical research

Person 3
Student

- Learn about Gemini space missions
- Access artifact mission details
- Support historical research

Person 4
Student

- Learn about Gemini space missions
- Use artifact data for education
- Improve space history awareness

Person 5
Administrator

- Manage artifact database securely
- Control user access
- Maintain artifacts records

Person 6
Developer

- Build user-friendly interface
- Control user access
- Maintain system performance

Person 7
Developer

- Implement artifact search system
- Integrate cloud storage
- Improve system performance

Person 8
Educator

- Use artifacts for teaching
- Provide educational materials
- Support space education

Person 9
Space Agency Staff

- Preserve space mission heritage
- Maintain artifact archive
- 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

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

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

TP Prioritize ideas by discussing and placing sticky notes on the graph. Focus on ideas with high importance and high feasibility.

High Importance + High Feasibility

- Create centralized digital artifact database
 - Store artifact name, mission details, images, and preservation status
 - Provide secure and easy access
- Provide artifact search and viewing system
 - Allow users to search artifacts by mission, astronaut, or artifact name
 - Display artifact information clearly

High Importance + Medium Feasibility

- Implement artifact preservation monitoring system
 - Track artifact condition and preservation status
 - Maintain preservation history

Medium Importance + High Feasibility

- Provide educational access platform
 - Allow students and educators to learn from artifact data
 - Support research and education

Medium Importance + Medium Feasibility

- Implement artifact preservation monitoring
 - Track artifact condition and preservation status
 - Maintain preservation history

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 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
 - Artifact 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.