

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	29 January 2026
Team ID	LTVIP2026TMIDS66315
Project Name	Explore with AI: Custom Itineraries For Your Next Journey
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

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

The screenshot shows a template for "Brainstorm & Idea Prioritization". On the left, a vertical sidebar labeled "Template" features a blue icon of a lightbulb inside a speech bubble. The main content area is divided into three columns:

- Before you collaborate:** A section with a blue circular icon containing a dot. It includes a sub-section "Team gathering" with a blue square icon, a "Set the goal" section with a blue square icon, and a "Learn how to use the facilitation tools" section with a blue square icon. Each section has a brief description and a "Open article" button with a right-pointing arrow.
- Define your problem statement:** A section with a blue circular icon containing a dot. It contains a "PROBLEM" box with the text "How might we use generative AI to automate personalized travel itinerary planning efficiently?".
- Key rules of brainstorming:** A section with a blue circular icon containing a brain. It lists six rules with corresponding icons:
  - Stay in topic.
  - Encourage wild ideas.
  - Defer judgment.
  - Listen to others.
  - Go for volume.
  - If possible, be visual.

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

**2**

**Brainstorm**

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

⌚ 10 minutes

**3**

**Group ideas**

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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 1	Person 2	AI & Model Integration		
Integrate Gemini generative AI model using API	Create structured prompt for itinerary generation	Design simple Streamlit interface	Add input fields for destination, days, nights	Tune temperature and output token settings
Tune temperature and output token settings	Handle AI response formatting	Add Generate Itinerary button	Display output using text area	Handle AI response formatting
Person 3	Person 4	User Interface Design		
Validate destination input	Ensure days > 0 and nights ≥ 0	Add budget-based itinerary customization	Add PDF export feature	Design simple Streamlit interface
Clean unnecessary spaces in input	Format prompt clearly before sending to model	Include travel tips in output	Add multi-language support option	Add input fields for destination, days, nights
Data Validation & Processing				
		Validate destination input	Ensure days > 0 and nights ≥ 0	Clean unnecessary spaces in input
Future Feature Expansion				
		Add budget-based itinerary customization	Add PDF export feature	Add multi-language support option

## Step-3: Idea Prioritization

