

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	25 February 2026
Team ID	LTVIP2026TMIDS73330
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, there's a vertical sidebar labeled 'Template' with a blue background. The main area has three columns:

- Before you collaborate**: A section with a lightbulb icon. It says: "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 timer icon followed by "10 minutes". Below it are three steps:
  - Team gathering**: "Define who should participate in the session and send an invite. Share relevant information or pre-work ahead." It includes a timer icon followed by "10 minutes".
  - Set the goal**: "To design an AI-based system that automatically generates personalized travel itineraries based on user input." It includes a timer icon followed by "1 hour".
  - Learn how to use the facilitation tools**: "Selected tools include Python, Streamlit, and a pre-trained generative AI model (Gemini) for implementing the travel itinerary generator." It includes a timer icon followed by "2-8 people recommended".
- Define your problem statement**: A section with a lightbulb icon. It says: "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 timer icon followed by "5 minutes". Below it is a box titled "PROBLEM" containing the statement: "How might we use generative AI to automate personalized travel itinerary planning efficiently?"
- Key rules of brainstorming**: A section with a lightbulb icon. It says: "To run a smooth and productive session". It lists six rules with 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**

Toko 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

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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	Create integrated prompt for itinerary generation	Handle AI response formatting
Tune temperature and output token settings	Handle AI response formatting	Add Generate Itinerary button	Display output using text area	Tune temperature and output token settings	
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	Add input fields for destination, days, nights
Clean unnecessary spaces in input	Format prompt clearly before sending to model	Include travel tips in output	Add multi-language support option	Add Generate Itinerary button	Display output using text area
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

