

Project Design Phase
Proposed Solution Template

Date	18 February 2026
Team ID	LTVIP2026TMIDS79519
Project Name	Travel Guide AI
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Travelers spend significant time searching multiple websites, blogs, and videos to plan their trips. Creating a personalized itinerary manually is time-consuming and often confusing. There is a need for a simple AI-based system that can instantly generate customized travel plans based on user preferences.
2	Idea / Solution Description	The proposed solution is a web-based AI Travel Itinerary Generator built using Streamlit and Google Gemini API. Users enter destination, number of days, nights, and interests (e.g., food, adventure, beaches). The system uses generative AI to create a personalized, day-wise travel itinerary including tourist attractions, local food recommendations, and travel tips.
3	Novelty / Uniqueness	- Uses Generative AI (Gemini 2.5 Flash) for dynamic itinerary creation. - Provides instant personalized plans instead of static pre-written guides. - Simple and lightweight interface with no login or complex navigation. - Customizable based on user interests.
4	Social Impact / Customer Satisfaction	- Saves time and reduces travel planning stress. - Makes travel planning accessible to everyone. - Encourages tourism exploration. - Provides a smooth and user-friendly experience leading to higher customer satisfaction.
5	Business Model (Revenue Model)	- Freemium model (basic itinerary free, premium features paid). - Subscription model for advanced features (budget planning, hotel suggestions). - Affiliate marketing with hotels, airlines, and travel agencies. - Advertisement-based revenue model.
6	Scalability of the Solution	- Can be deployed on cloud platforms (AWS, Azure, Streamlit Cloud). - Can handle multiple users simultaneously. - Easily extendable with features like PDF download, hotel booking, weather integration, budget estimation, and multi-language support.