Project (Proposal Proposed Solution) Phase

Date	31 January 2026
Team ID	LTVIP2026TMIDS73289
Project Title	Explore With Ai: Custom Itineraries For Your Next Journey
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

Explore with AI: Custom Itineraries For Your Next Journey is a web-based application that helps users plan their trips easily. The system uses generative AI to create personalized travel itineraries based on user inputs such as destination, number of days, and nights. The application is built using Streamlit and provides a simple interface for users to generate travel plans quickly.

Project Overview	
Objective	The main objective of this project is to develop an AI-based application that automatically generates customized travel itineraries, reducing the time and effort required for manual travel planning.
Scope	The project focuses on: • Taking user inputs through a Streamlit web interface • Using a generative AI model to create travel itineraries • Displaying the generated itineraries to users The project does not include booking services or payment features.
Problem Statement	
Description	Creating personalized travel itineraries requires a lot of time and research. Travelers, travel agencies, and content creators often find it difficult to manually prepare customized and engaging travel plans.
Impact	An automated travel itinerary generator helps save time, improves efficiency, and makes travel planning easier for users by providing personalized results quickly.
Proposed Solution	

Approach	The system collects travel details from users through a Streamlit interface. These details are sent to a generative AI model, which creates a detailed travel itinerary. The generated itinerary is then displayed to the user.
Key Features	• Personalized travel itinerary generation using AI • Easy-to-use web interface • Fast and automated content generation • Input validation and error handling

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	Standard personal computer	Windows 11 Home Single Language
Memory	Minimum 4 GB	16 GB
Storage	Minimum 20 GB free space	256 GB SSD
Software		
Frameworks	Python, Streamlit frameworks	Streamlit
Libraries	google-generativeai, streamlit	google-generativeai, streamlit
Development Environment	IDE, version control	Visual Studio Code, Git
Data		
Data	Input Data: Destination, days, nights	User Input