

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	20 February 2026
Team ID	LTVIP2026TMIDS52031
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Technology Stack for "Explore with AI: Custom Itineraries for Your Next Journey".

Component	Tool or Technology	Purpose
Data Source	User Input (Destination, Duration, Preferences)	Collect travel details required for itinerary generation
AI Model	Gemini Pro (Google Generative AI API)	Generate personalized travel itinerary using A
Processing	Python	Process user inputs and interact with AI model
User Interface	Streamlit	Provide interactive web interface for users to enter details and view results
Storage	Local storage	Store inputs and generated itinerary temporarily