Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2026TMIDS91038
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Enter Travel Inputs	User can enter destination User can enter number of days User can enter number of nights
FR-2	Generate Itinerary using AI	System accepts destination, days, and nights System Processes input using AI model System generates travel itinerary based on inputs
FR-3	Display Itinerary	System displays generated itinerary in browse System shows day-wise travel plan
FR-4	Modify Inputs and Regenerate	User can change destination, days, or nights System regenerates itinerary based on updated inputs System displays updated itinerary

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should have a simple and user-friendly Streamlit interface where users can easily enter destination, days, and nights.
NFR-2	Security	User inputs should be safely handled and not stored permanently. The system should securely communicate with the AI API.
NFR-3	Reliability	The system should consistently generate an itinerary whenever valid inputs are provided without crashing.
NFR-4	Performance	The itinerary should be generated within a few seconds after clicking the generate button.
NFR-5	Availability	The application should be accessible through the browser whenever the Streamlit server is running.
NFR-6	Scalability	The system should handle multiple user requests efficiently if deployed online.