

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

Date	20 February 2026
Team ID	LTVIP2026TMIDS52031
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	User Input of Travel Details	<ul style="list-style-type: none"> Enter destination Enter number of days and nights Provide travel preferences (interests, budget, etc.)
FR-2	AI-Based Itinerary Generation	<ul style="list-style-type: none"> Process user inputs using Gemini Pro AI Generate personalized travel plan Create day-wise schedule
FR-3	Recommendations Generation	<ul style="list-style-type: none"> Suggest tourist attractions Recommend restaurants and local food Provide travel tips and safety guidelines
FR-4	Itinerary Display	<ul style="list-style-type: none"> Show structured itinerary in Streamlit interface Display daily activities clearly Present recommendations in readable format
FR-5	Customization & Export	<ul style="list-style-type: none"> Allow user to modify inputs Regenerate itinerary Copy or download itinerary for future use

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a simple and intuitive interface so users can easily enter details and understand the itinerary.
NFR-2	Security	User inputs and generated data should be handled securely without unauthorized access.
NFR-3	Availability	The system should consistently generate accurate and complete itineraries without failures.
NFR-4	Performance	The itinerary should be generated within a few seconds after submitting inputs.
NFR-5	Availability	The application should be accessible anytime via the web interface.