Data Collection and Preprocessing Phase

Date	05 February 2026
Team ID	LTVIP2026TMIDS65532
Project Title	Explore With Ai: Custom Itineraries For Your Next Journey
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification

This phase describes how data is collected and managed for the project. Since the application is based on a generative AI model, the data is collected dynamically from users rather than from static datasets.

Data Collection Plan

Section	Description
Project Overview	*Explore with AI* is a generative AI-based travel itinerary generation system. The project aims to generate personalized travel itineraries based on real-time user inputs such as destination, number of days, and number of nights using a pre-trained AI model.
Data Collection Plan	The data for this project is collected directly from users through a Streamlit-based web interface. The inputs are provided in real time and are processed immediately to generate customized travel itineraries. No external datasets are downloaded or stored as part of this project.
Raw Data Sources Identified	The raw data used in the system consists of user-provided input data entered through the application interface. This data is temporary and session-based, used only for generating the itinerary and not stored permanently.

Raw Data Sources

Source Name	Description	Location / URL	Format	Size	Access Permissions
User Input – Destination	Travel destination entered by the user	Streamlit Web Interface	Text	Small (per request)	Public (User Provided)
User Input – Trip Duration	Number of days and nights entered by the user	Streamlit Web Interface	Numeric	Small (per request)	Public (User Provided)
AI Model Response	Generated travel itinerary content	Generated at runtime	Text	Variable	Public (User Generated)