

Data Collection and Preprocessing Phase

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| Date | 05 February 2026 |
| Team ID | LTVIP2026TMIDS66196 |
| 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 | <i>Explore with AI</i> 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) |