

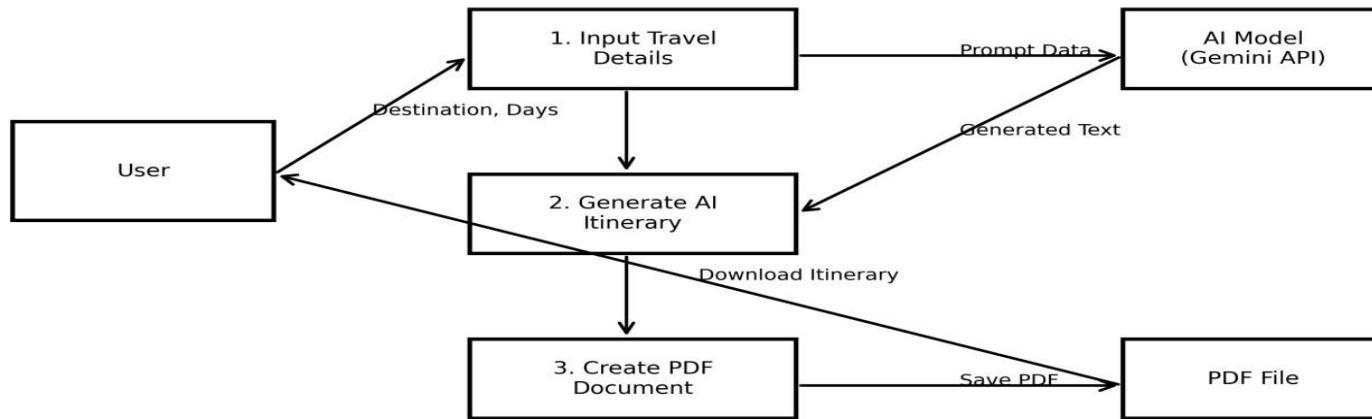
**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	31 January 2026
Team ID	LTVIP2026TMIDS26163
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	4 Marks

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

### **DFD Level 1 - Detailed System Flow**



**Example:**

**User Stories**

User Type	Functional Requirement	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Traveler	Enter travel details	US-1	Enter destination, days, nights to generate plan	Valid input accepted	High	Sprint-1
Traveler	Validate input	US-2	System validates user input	Error shown for invalid data	High	Sprint-1
Traveler	Generate itinerary	US-3	Generate AI-based day-wise itinerary	Structured itinerary generated	High	Sprint-1
Traveler	View itinerary	US-4	View generated travel plan	Itinerary displayed clearly	High	Sprint-1
Traveler	Travel recommendations	US-5	Get food, hotel and travel tips	Recommendations included	Medium	Sprint-1
Traveler	Download PDF	US-6	Download itinerary as PDF	PDF generated and downloaded	High	Sprint-2
Traveler	Destination image	US-7	Include destination image in PDF	Image shown in PDF	Medium	Sprint-2
System Admin	AI integration	US-8	Connect with Gemini AI	AI response received	High	Sprint-1
System Admin	Error handling	US-9	Handle system errors	Error messages shown	Medium	Sprint-2
System Admin	Performance	US-10	Generate itinerary quickly	Fast response time	Medium	Sprint-2