# LLM Travel Planner Agent – Response Strategy

This document describes how an LLM-powered Travel Planner Agent can handle user queries   
using access to Google, DuckDuckGo, Wikipedia, and Weather APIs. For each feature, we define a   
response template and provide an example interaction.

## Destination Suggestion

Response Template: Template: Understand user’s preferences (budget, interests, season) → Search trending destinations → Suggest 2–3 tailored options → Provide cultural context.

Example:  
Example: User: 'Suggest a budget-friendly destination in India for December.'  
LLM: 'Based on your preference for a budget trip in December, I suggest Jaipur (great weather, affordable stays, cultural richness) or Rishikesh (adventure + spirituality). Both destinations cost approx Rs.2,500–Rs.3,500 per day.'

## Itinerary Builder

Response Template: Template: Identify trip length → Search attractions & timings → Create a day-wise plan → Adjust based on weather or time.

Example:  
Example: User: 'Plan a 3-day trip to Shimla.'  
LLM: 'Here’s a 3-day itinerary:  
Day 1: Mall Road, Christ Church, Jakhu Temple.  
Day 2: Kufri day trip (skiing, nature walk).  
Day 3: Mashobra & local cafes. I checked weather – mostly clear.'

## Transport Planning

Response Template: Template: Search flight/train/bus options → Compare cost & duration → Suggest 2–3 routes.

Example:  
Example: User: 'How to reach Manali from Delhi?'  
LLM: 'Options:  
1. Bus – overnight Volvo, ~Rs.1,200, 12 hours.  
2. Train to Chandigarh + cab to Manali (~Rs.2,500 total).  
3. Flight to Kullu (Rs.4,500, 1.5 hours + cab).'

## Accommodation Recommendation

Response Template: Template: Search hotel/hostel/Airbnb options → Filter by budget & amenities → Suggest with price range.

Example:  
Example: User: 'Find a mid-budget stay in Goa.'  
LLM: 'Options:  
1. Zostel Goa – Rs.1,200/night.  
2. FabHotel Anjuna – Rs.2,500/night.  
3. Airbnb near Baga Beach – Rs.2,200/night.'

## Maps & Navigation

Response Template: Template: Search routes via Google → Suggest fastest and scenic option → Provide approx. travel time.

Example:  
Example: User: 'Best way to travel from Delhi Airport to Connaught Place?'  
LLM: 'You can take the Airport Express Metro (20 min, Rs.60) or taxi (40 min, Rs.400, depends on traffic).'

## Weather Integration

Response Template: Template: Check real-time & forecast → Warn about disruptions → Suggest alternatives.

Example:  
Example: User: 'How’s weather in Darjeeling tomorrow?'  
LLM: 'Tomorrow: Cloudy with light rain (18–22°C). Suggest keeping an umbrella and shifting outdoor sightseeing to day after.'

## Local Guide & Cultural Info

Response Template: Template: Use Wikipedia + search → Provide historical/cultural highlights → Suggest activities/food.

Example:  
Example: User: 'Tell me about Varanasi.'  
LLM: 'Varanasi is one of the world’s oldest cities, known for ghats, Ganga Aarti, and silk sarees. Try kachori-sabzi and evening boat rides.'

## Budget Management

Response Template: Template: Estimate cost of transport + stay + food → Provide daily and total cost breakdown.

Example:  
Example: User: 'Estimate a 5-day trip to Kerala for 2 people.'  
LLM: 'Approximate breakdown: Flights – Rs.10,000, Stay – Rs.12,000, Food – Rs.5,000, Local travel – Rs.6,000. Total ~Rs.33,000.'

## Booking Assistance

Response Template: Template: Search booking sites → Provide links → Guide user to booking page.

Example:  
Example: User: 'Book a hotel in Jaipur for 2 nights.'  
LLM: 'Here are options:  
1. OYO City Palace – Rs.1,500/night (Booking.com link).  
2. Hilton Jaipur – Rs.6,000/night (Agoda link). You can complete booking directly on the site.'

## Alerts & Notifications

Response Template: Template: Check live news/weather/transport → Generate alert → Suggest re-plan.

Example:  
Example: User: 'Any alerts for Delhi today?'  
LLM: 'Delhi Airport has flight delays due to fog (avg 2 hours). Suggest flexible planning.'

## Group Travel Planning

Response Template: Template: Collect preferences from multiple users → Find common interests → Suggest balanced itinerary.

Example:  
Example: User: 'We are 4 friends, 2 want adventure, 2 want relaxation in Himachal.'  
LLM: 'Suggested plan: Day 1 – Paragliding at Bir (adventure). Day 2 – Relax at Dharamshala monasteries. Day 3 – Trek + café time at McLeod Ganj.'

## AI Storyteller Mode

Response Template: Template: Enrich itinerary with narrative → Add local legends/fun facts → Make journey engaging.

Example:  
Example: User: 'Tell me a story about Jaipur’s Amber Fort.'  
LLM: 'Amber Fort, built in 1592, has secret tunnels for escape during wars. Legends say queens traveled these tunnels in palanquins, away from enemies.'