

## Project Design Phase

### Problem – Solution Fit

Date	09 February 2026
Team ID	LTVIP2026TMIDS66315
Project Name	Explore With Ai: Custom Itineraries For Your Next Journey
Maximum Marks	2 Marks

#### Problem – Solution Fit:

The **Problem–Solution Fit** for *Explore with AI* focuses on addressing the common challenges faced by travelers in planning personalized trips efficiently and without stress.

#### Purpose:

- ☐ To solve the problem of time-consuming and manual travel planning by providing an AI-powered automated solution.
- ☐ To improve solution adoption by aligning with modern user behavior, where users prefer quick, web-based, and personalized digital tools.
- ☐ To clearly communicate the value of AI-driven itinerary generation as a faster and more efficient alternative to traditional travel planning methods.
- ☐ To reduce frequent user frustrations such as scattered travel information, lack of personalization, and repetitive research efforts.
- ☐ To understand traveler needs and improve the planning experience by delivering structured, day-wise, and customized travel itineraries.

#### Template:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <ul style="list-style-type: none"> <li>Individual travelers</li> <li>Working professionals planning vacations</li> <li>First-time travelers</li> <li>Travel agencies needing quick itinerary creation</li> </ul>	<b>2. CUSTOMER CONSTRAINTS</b> <span>CC</span> <ul style="list-style-type: none"> <li>Limited time for research</li> <li>Scattered travel information online</li> <li>Lack of personalized travel plans</li> <li>Difficulty organizing day-wise schedule</li> <li>Repetitive manual planning</li> </ul>	<b>3. AVAILABLE SOLUTIONS</b> <span>AS</span> <ul style="list-style-type: none"> <li>Travel blogs and websites</li> <li>YouTube travel videos</li> <li>Manual itinerary templates</li> <li>Travel agency packages</li> <li>Online travel forums</li> </ul>
	<b>4. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> <ul style="list-style-type: none"> <li>Plan a structured trip itinerary</li> <li>Select key attractions for each day</li> <li>Organize trip efficiently within limited days</li> <li>Save time and effort in planning</li> </ul>	<b>5. PROBLEM ROOT CAUSE</b> <span>RC</span> <ul style="list-style-type: none"> <li>Overabundance of scattered travel content</li> <li>No automated personalization</li> <li>Manual effort required to filter relevant information</li> <li>Lack of centralized planning tool</li> </ul>	<b>6. BEHAVIOUR</b> <span>BE</span> <ul style="list-style-type: none"> <li>Search Google repeatedly</li> <li>Compare multiple blogs</li> <li>Ask friends for suggestions</li> <li>Save random places without structure</li> <li>Spend hours organizing plans</li> </ul>
Identify strong TIR & EM	<b>7. TRIGGERS</b> <span>TR</span> <ul style="list-style-type: none"> <li>Upcoming vacation</li> <li>Festival holidays</li> <li>Business trips</li> <li>Travel offers or discounts</li> <li>Social media travel inspiration</li> </ul>	<b>8. EMOTIONS: BEFORE / AFTER</b> <span>EM</span> <ul style="list-style-type: none"> <li>Overwhelmed</li> <li>Confused</li> <li>Stressed</li> <li>Time-pressured</li> </ul>	<b>9. YOUR SOLUTION</b> <span>CH</span> <ul style="list-style-type: none"> <li>Web application (Streamlit)</li> <li>Direct browser access</li> </ul>
	<b>7. TRIGGERS</b> <span>TR</span> <ul style="list-style-type: none"> <li>Upcoming vacation</li> <li>Festival holidays</li> </ul>	<b>9. YOUR SOLUTION</b> <span>SU</span> <ul style="list-style-type: none"> <li>AI powered travel itinerary generator</li> <li>Streamlit-based web interface</li> </ul>	<b>10. CHANNELS 8. BEHAVIOUR</b> <span>CH</span> <ul style="list-style-type: none"> <li>Web application (Streamlit): Direct browser access</li> <li>Enter destination and trip duration</li> <li>Click: Generate Itinerary</li> <li>Review personalized travel plan</li> </ul>

#### References:

- <https://www.ideahackers.network/problem-solution-fit-canvas/>
- <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>