

## Problem – Solution Fit

Date	17 February 2026
Team ID	LTVIP2026TMIDS88973
Project Name	Civil Engineering Insight Studio
Maximum Marks	2 Marks

### Problem – Solution Fit Template:

The Problem–Solution Fit for **Civil Engineering Insight Studio** focuses on solving major challenges faced in civil engineering and construction projects, such as poor communication, scattered project data, slow decision-making, and safety monitoring issues. Many engineers and project managers struggle to manage drawings, reports, and site updates efficiently, which often leads to delays, increased costs, and reduced productivity. Civil Engineering Insight Studio provides an AI-powered platform that collects, analyzes, and organizes project information in one centralized system. It enables real-time monitoring, smart data analysis, voice and text updates from sites, and quick decision-making through intelligent insights.

### Template:

Dileep CS, Mr's DG	<b>1. CUSTOMER SEGMENTS</b> <span>CS</span> Who are your customers? <ul style="list-style-type: none"> <li>Solo travelers</li> <li>Frequent travelers</li> <li>Working professionals</li> <li>Students and young travelers</li> <li>Families planning vacations</li> <li>Digital nomads</li> <li>Tech-savvy travelers</li> </ul>	<b>2. CUSTOMER CONSTRAINTS</b> <span>DC</span> What constraints prevent your customers from taking action or limit their choices of solutions? --- <ul style="list-style-type: none"> <li>Limited time to research and plan trips</li> <li>Information overload from multiple travel websites</li> <li>Budget constraints</li> <li>Lack of personalized recommendations</li> <li>Lack of trust in generic travel suggestions</li> <li>Limited knowledge about new destinations</li> </ul>	<b>3. AVAILABLE SOLUTIONS</b> <span>AS</span> Which solutions are available to the customer when they problem? <ul style="list-style-type: none"> <li>Google search</li> <li>Travel blogs and YouTube videos</li> <li>Travel apps (TripAdvisor, Booking.com)</li> <li>Travel agencies</li> <li>Manual itinerary planning</li> </ul> These solutions are time-consuming and not fully personalized.
	<b>4. JOBS-TO-BE-DONE / PROBLEMS</b> <span>JBP</span> What jobs or problems are travelers performing or dealing with without your solution? <ul style="list-style-type: none"> <li>Planning travel itinerary manually</li> <li>Searching multiple sources for recommendations</li> <li>Comparing destinations, hotels and activities</li> <li>Organizing travel schedules</li> </ul> Customers waste time and feel overwhelmed.	<b>5. PROBLEM ROOT CAUSE</b> <span>RC</span> What is the root cause of the problem? <ul style="list-style-type: none"> <li>Too much information available online</li> <li>Lack of personalization</li> <li>Manual and complex planning process</li> <li>No intelligent system to optimize travel plans</li> </ul> These solutions are time-consuming and not fully personalized.	<b>6. BEHAVIOR</b> <span>BE</span> How do customers behave when observing the problem, how do they typically react to the problem? <ul style="list-style-type: none"> <li>Searching online repeatedly</li> <li>Switching between apps and websites</li> <li>Asking friends and social media</li> <li>Saving notes manually</li> </ul> This leads to confusion and decision fatigue.
	<b>7. TRIGGERS</b> <span>TR</span> What triggers customers to act, setting their significant motivation when choosing a solution, where do they decide to choose (in-house)? <ul style="list-style-type: none"> <li>Planning a new trip</li> <li>Booking flights or hotels</li> <li>Limited planning time</li> <li>Desire for better travel experiences</li> </ul>	<b>8. YOUR SOLUTION</b> <span>SL</span> <b>Explore with AI: Custom Itineraries for Your Next Journey</b> <ul style="list-style-type: none"> <li>Creates personalized travel itineraries</li> <li>Suggests destinations, hotels, and activities</li> <li>Optimizes travel schedules</li> <li>Saves planning time</li> <li>Provides smart and customized recommendations</li> </ul>	<b>9. CHANNELS &amp; BEHAVIOR</b> <span>CH</span> In which channels or environments is the solution presented to your customer and where can you find the solution? <ul style="list-style-type: none"> <li>Mobile applications</li> <li>Travel websites</li> <li>AI travel platforms</li> <li>Social media</li> <li>Online travel booking platforms</li> </ul>
HSTARE	<b>10. EMOTIONS BEFORE / AFTER</b> <span>EM</span> What emotions do customers feel before and after using Explore with AI, here do customer emotions change? (-/+)	<b>11. VALUE</b> <span>VL</span> <b>Explore with AI provides value by:</b> <ul style="list-style-type: none"> <li>Saving time</li> <li>Reducing stress</li> <li>Providing personalized travel experiences</li> <li>Improving travel planning efficiency.</li> </ul>	<b>11. VALUE</b> <span>VL</span> <b>Explore with AI provides value by:</b> <ul style="list-style-type: none"> <li>Saving time</li> <li>Reduce stress</li> <li>Providing personalized travel experience</li> <li>Improving travel planning efficiency</li> </ul>