

## Project Design Phase

### Problem – Solution Fit Template

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Date	27 June 2025
Team ID	LTVIP2025TMID59371
Project Name	HealthAI-Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	4 Marks

**Problem – Solution Fit Template :** HealthAI solves a frequent and urgent problem: lack of easy access to valid healthcare information and insights. It taps into the existing behavior of users searching for medical information online and replaces it with a credible, AI-powered platform.

#### **Purpose :**

- ☒ Solve complex health-related problems using intelligent and accessible AI assistance
- ☒ Increase solution adoption by reflecting how users already seek medical information online
- ☒ Improve communication using conversational chat and visual analytics
- ☒ Build user trust with consistent, evidence-based responses

## Health AI Problem-Solution-Fit Template

<b>CS</b> CUSTOMER SEGMENTS	<b>CUSTOMER SEGMENTS (CS)</b> Who are your target users? e.g. elderly individuals with chronic conditions, rural patients with limited access to healthcare, or caregivers of Alzheimer's patients.	<b>CS</b>	<b>JOBS-TO-BE-DONE / PROBLEMS (J&amp;P)</b> What specific health challenges do they face? e.g. medication adherence, early diagnosis, appointment management, lifestyle monitoring.	<b>J&amp;P</b>
<b>TR</b> TRIGGERS	<b>TRIGGERS (TR)</b> What drives users to seek a solution? e.g. worsening symptoms, hospital readmission, advice from a physician or caretaker.	<b>TR</b>	<b>EMOTIONS: BEFORE / AFTER (EM)</b> How do they feel before the solution vs. after? e.g. digital literacy, cost, lack of smartphones, unreliable internet.	<b>EM</b>
<b>CC</b> CONSTRAINTS	<b>CUSTOMER CONSTRAINTS (CC)</b> What obstacles might prevent them from accessing help? e.g. digital literacy, cost, lack of smartphones, unreliable internet.	<b>CC</b>	<b>BEHAVIOUR (BE)</b> What do users do to manage their health problems? e.g. rely on memory for meds, ask family members for help.	<b>CHANNELS OF BEHAVIOUR (CH)</b> <b>8.1 Online:</b> <ul style="list-style-type: none"> <li>Health forums,</li> <li>YouTube health advice, telemedicine apps.</li> </ul> <b>8.2 Offline:</b> <ul style="list-style-type: none"> <li>primary care visits,</li> <li>local health camps, support groups.</li> </ul>
<b>RC</b> PROBLEM ROOT CAUSE	<b>PROBLEM ROOT CAUSE (RC)</b> What's the deeper reason this problem exists? e.g. lack of awareness, systemic inefficiencies.	<b>RC</b>	<b>YOUR SOLUTION (SL)</b> Describe your Health AI product or concept.	



## References :

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