Project Design Phase Problem – Solution Fit Template

Date	28 june 2025
Team ID	LTVIP2025TMID50016
Project Name	HealthAI: intelligent healthcare assistant Using IBM Granite
Maximum Marks	2 Marks

Problem – Solution Fit Template:

✓ Problem–Solution Fit Template (Team Member-Focused)

Problem: Teams often face challenges with [specific issue related to team members], such as [examples of friction or inefficiencies]. This results in [negative impact on performance, morale, or productivity].

Solution: [Your product/tool/process] helps teams by [how it improves the team member experience or collaboration], leading to [positive measurable result]

Purpose:

The purpose of this code is to create a simple AI-powered health assistant that:

✓ Primary Objective:

To provide users with preliminary health insights based on their described symptoms using the IBM Granite large language model.

M How it Works:

Takes user input for symptoms via the command line.

Constructs a natural language prompt describing the symptoms.

Sends the prompt to the IBM Granite 3.3-2b-instruct model (via Hugging Face).

Receives and displays Al-generated suggestions of possible medical conditions.

Provides a timestamped response to simulate a real-time assistant interaction.

Why It's Useful:

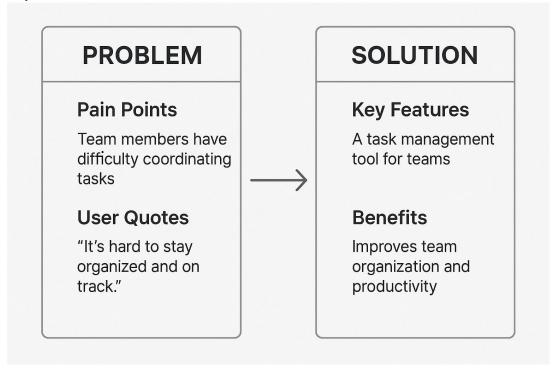
Helps users understand potential causes of their symptoms.

Acts as a first-level triage tool before visiting a doctor.

Useful in rural or under-resourced settings where immediate consultation may not be available.

Demonstrates the power of LLMs in healthcare applications.

Template:



References:

1. https://huggingface.co/ibm-granite/granite-3.3-2b -instruct