Project Design Phase Problem – Solution Fit Template

Date	24 june 2025
Team ID	LTVIP2025TMID31494
Project Name	HealthAI: intelligent healthcare assistant
Maximum Marks	2 Marks

Problem – Solution Fit Template:



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].

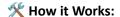
Solution: [Your product/tool/process] helps teams by [how it improves the team member experience or collaboration], leading to [positive measurable result]

Purpose:

The purpose of this code is to create a simple Al-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.



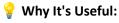
Takes user input for symptoms via the command line.

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.



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:

PROBLEM SOLUTION Pain Points Key Features Team members have A task management difficulty coordinating tool for teams tasks **Benefits User Quotes** "It's hard to stay Improves team organized and on organization and track." productivity

References:

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