

Project Design Phase

Problem – Solution Fit Template

Date	9 June 2025
Team ID	LTVIP2025TMID60007
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Millions of people globally struggle to access accurate, reliable, and personalized healthcare information. In rural or underserved areas, access to doctors is often limited or delayed, leading individuals to depend on internet searches or unverified sources that may cause confusion, misinformation, or even harm.

Current tools such as basic symptom checkers or health apps are often generic, not intelligent, and lack personalization. They don't account for an individual's health history, context, or preferences. Meanwhile, chronic disease patients face a fragmented experience—using one tool for tracking, another for advice, and none for tailored recommendations.

In this environment, there's an urgent need for an intelligent, all-in-one healthcare assistant that provides medical Q&A, symptom evaluation, treatment planning, and health trend monitoring — all in a seamless, user-friendly platform.

Purpose:

The purpose of **HealthAI** is to revolutionize digital healthcare assistance through the power of IBM Granite's generative AI. It aims to provide users with instant, personalized, and medically sound insights that enhance decision-making and promote better health outcomes.

Specifically, HealthAI is designed to:

- Empower users with trusted medical responses to reduce dependence on unreliable sources.
- Bridge the accessibility gap in areas lacking immediate healthcare support.
- Streamline healthcare tasks by integrating diagnosis, treatment guidance, and analytics into one tool.
- Support chronic patients and wellness **seekers** by offering tailored lifestyle and monitoring tools.
- Simplify user interaction with an intuitive web interface (Streamlit), ensuring people of all tech levels can benefit.

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