

Project Design Phase

Proposed Solution

Date	19/05/2025 – 30/06/2025
Team ID	LTVIP2025TMID31711
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1	Problem Statement	Inaccessibility of quick and accurate medical insights for non-medical users. Many individuals lack immediate medical guidance for symptoms, resulting in delayed care and complications.
2	Idea / Solution Description	HealthAI is a generative AI-based healthcare assistant that allows users to input symptoms in natural language and get intelligent responses including disease predictions, possible treatments, and health tracking. The app is built using IBM Watsonx , integrated with a simple UI powered by Streamlit , and does not require user registration—only profile data for personalization.
3	Novelty / Uniqueness	Unlike traditional symptom checkers or databases, HealthAI uses powerful generative AI (IBM Granite model) to understand and respond in a human-like, multilingual, and context-aware way. It combines health insights, analytics, and personalization without any data collection or ML training.
4	Social Impact / Customer Satisfaction	It empowers users in rural and urban areas to make informed health decisions. It reduces dependence on in-person consultations for minor concerns and serves as a first-step assistant for everyone, especially in low-resource or emergency situations.
5	Business Model (Revenue Model)	Freemium model: Basic diagnosis is free. Premium features (voice input, doctor consultation integration, multilingual offline access, health PDF reports) can be part of a paid plan. Potential B2B licensing to clinics and hospitals for integration.
6	Scalability of the Solution	HealthAI is built on cloud infrastructure using IBM Watsonx and Streamlit, which allows easy deployment across regions. It is modular, so new features like wearable integration, doctor video calls, or insurance APIs can be added seamlessly.