# Project Design Phase

Date: 22/7/2025

Team ID: LTVIP2025TMID30861

Project Name: HealthAI: Intelligent Healthcare Assistant

Maximum Marks: 2 Marks

## Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
| 1 | Problem Statement (Problem to be solved) | Access to immediate, reliable, and understandable healthcare advice is limited, especially for individuals who cannot consult a doctor instantly. Many lack personalized insights into symptoms or health data. |
| 2 | Idea / Solution description | HealthAI is an intelligent healthcare assistant powered by IBM Watson ML and the Granite 13B model. It answers health-related queries, predicts diseases from symptoms, suggests treatment plans, and displays health trends via a simple, responsive web interface built with HTML, CSS, JavaScript, and FastAPI. |
| 3 | Novelty / Uniqueness | Unlike generic symptom checkers, HealthAI integrates real-time chat, predictive diagnostics, personalized health recommendations, and interactive analytics using advanced AI and an accessible web interface. |
| 4 | Social Impact / Customer Satisfaction | Improves health literacy, bridges healthcare access gaps, and promotes proactive self-care. It offers AI-guided support and encourages consultation with professionals when needed, enhancing user trust and well-being. |
| 5 | Business Model (Revenue Model) | Freemium model: Basic features like health chat and disease prediction are free. Subscription unlocks detailed analytics, treatment reports, and profile-based suggestions. Revenue through B2C subscriptions and B2B clinic integration. |
| 6 | Scalability of the Solution | Built on scalable IBM Cloud services with modular FastAPI backend, HealthAI supports multi-region deployment, language localization, wearable device support, and real-time model tuning to serve growing user demand. |