# Project Design Phase

Date: 26 June 2025

Team ID: LTVIP2025TMID20350

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.

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| 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 assistant powered by IBM Watson ML and the Granite model. It answers health-related questions, predicts conditions based on symptoms, suggests treatment plans, and visualizes health data—all via a simple Streamlit UI. |
| 3 | Novelty / Uniqueness | Unlike generic symptom checkers, HealthAI combines real-time patient chat with predictive analytics and visual feedback using advanced AI. It provides empathetic, medically sound, and structured responses. |
| 4 | Social Impact / Customer Satisfaction | Improves health literacy, empowers proactive care, and bridges gaps in healthcare access. Offers peace of mind with AI-generated suggestions that guide users toward professional consultation when needed. |
| 5 | Business Model (Revenue Model) | Freemium model: Basic chat and prediction features for free, advanced analytics and personalized insights via subscription. Revenue streams include B2C subscriptions and B2B integrations for clinics. |
| 6 | Scalability of the Solution | The system supports expansion through IBM Cloud infrastructure, enabling regional model customization, wearable integrations, and multi-language support for broader accessibility. |