**Project Design Phase**

**Proposed Solution**

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| Date | 25 June 2025 |
| Team ID | LTVIP2025TMID30148 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 2 Marks |

**Proposed Solution :**

| **S.No.** | **Parameter** | **Description** |
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| 1. | Problem Statement (Problem to be solved) | Many individuals, especially in remote or underserved areas, lack access to reliable and affordable healthcare guidance. They often depend on unverified online information or delay seeking care due to lack of awareness or resources. |
| 2. | Idea / Solution Description | HealthAI is an AI-powered virtual healthcare assistant built using the IBM Granite model via Hugging Face. It provides real-time, accurate, and context-aware health advice to users through a web or mobile interface. Users can input health-related queries and receive tailored, reliable responses instantly. |
| 3. | Novelty / Uniqueness | HealthAI leverages the powerful IBM Granite large language model to deliver personalized health responses. Unlike generic chatbots, it is trained for contextual understanding, supports regional language inputs, and integrates with a growing medical knowledge base. |
| 4. | Social Impact / Customer Satisfaction | HealthAI democratizes access to healthcare knowledge, especially for people in rural areas or without immediate access to doctors. It empowers individuals to make informed health decisions and helps reduce the spread of misinformation, contributing to better public health outcomes. |
| 5. | Business Model (Revenue Model) | Freemium model: Core features are free for all. Premium features (like priority consultations, advanced symptom analysis, and multilingual reports) are offered via subscription. Partnering with clinics, NGOs, and health insurers for B2B revenue. |
| 6. | Scalability of the Solution | The AI model can scale easily with cloud infrastructure. The system can support more users, languages, and regional customizations with minimal overhead. It can be deployed globally and integrated into other platforms like telemedicine apps and hospital systems. |