**Project Design Phase**

**Proposed Solution Template**

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID36168 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| 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** |
|  | Problem Statement (Problem to be solved) | |  | | --- | |  | | Many users have fragmented health tracking, unclear symptom guidance, and low adherence to care routines—leading to stress, missed symptoms, and unmanaged health issues. AI tools often feel impersonal or biased, and PHI is at risk without secure design. | |
|  | Idea / Solution description | Develop **HealthAI**: an empathetic AI assistant that consolidates symptom tracking, wellness advice, reminders, and secure clinician support in one intuitive app. It supports text/voice/photo inputs, integrates wearables, and uses explainable AI to guide users. |
|  | Novelty / Uniqueness | **Unified platform** combining tracking, diagnosis, coaching, and reminders. **Explainable AI** tailored to individual context.  **PHI-first design**: de-identification, encryption, audit trails.  **Hybrid human-AI model** with clinician oversight for high-risk cases |
|  | Social Impact / Customer Satisfaction | Improves early detection and self-care. Increases medication/appointment adherence with shared reminders. Supports mental wellness via empathetic interactions.  Empowers underserved and remote users with reliable guidance akin to NHS “My Companion” |
|  | Business Model (Revenue Model) | - **Freemium** tier: basic symptom tracking/advice free; premium plan ($9–$19/month) adds clinician chat, advanced analytics, data export  - **B2B partnerships**: integration with clinics, employers, insurers (API/subscription licensing)  - **Data insights & anonymized analytics** for third-party research under consent |
|  | Scalability of the Solution | Microservices/cloud-based architecture models can process thousands of users and wearable data per hour .  Multi-model expansion: add modules for chronic conditions (e.g., wound care, diabetes monitoring).  Global readiness: support multilingual interfaces and offline modes, building on AICOM’s underserved strategy |