**HealthAI – Intelligent Healthcare Assistant Using IBM Granite**

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| Date | 28 june 2025 |
| Team ID | LTVIP2025TMID34448 |
| Project Name | **HealthAI – Intelligent Healthcare Assistant Using IBM Granite** |
| Maximum Marks | 2 Marks |

### ****Proposed Solution Template****

| **S.No.** | **Parameter** | **Description** |
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| 1. | **Problem Statement (Problem to be solved)** | Access to timely, accurate, and personalized healthcare information is limited for many individuals, leading to poor health outcomes, misinformation, and inefficient use of medical resources. There is also a growing burden on healthcare professionals due to routine queries and administrative tasks. |
| 2. | **Idea / Solution Description** | HealthAI is an intelligent virtual healthcare assistant powered by IBM Granite, designed to provide personalized health insights, symptom triaging, appointment scheduling, mental wellness support, and AI-driven preliminary diagnostics. It interacts via voice and text, integrates with electronic health records (EHRs), and is accessible 24/7 across devices, ensuring continuous support for users. |
| 3. | **Novelty / Uniqueness** | HealthAI leverages the powerful multi-modal capabilities of IBM Granite for contextual understanding, language fluency, and medical knowledge synthesis. Unlike typical health chatbots, it integrates real-time patient data, learns user behavior, and supports multimodal inputs (text, images, speech), offering a highly personalized and adaptive experience. |
| 4. | **Social Impact / Customer Satisfaction** | HealthAI enhances healthcare accessibility, particularly in underserved regions, reduces unnecessary hospital visits, and empowers users with reliable health knowledge. It can significantly ease the workload of healthcare professionals, reduce burnout, and improve patient satisfaction through faster, empathetic responses and proactive care. |
| 5. | **Business Model (Revenue Model)** | The solution can follow a SaaS (Software-as-a-Service) subscription model for clinics, hospitals, and wellness centers. Additional revenue can be generated through API integrations, white-label licensing, and premium consumer subscriptions offering advanced health analytics and telemedicine features. |
| 6. | **Scalability of the Solution** | Built on IBM Granite’s scalable AI infrastructure, HealthAI can support millions of users with language localization, EHR integrations, and cloud deployment. It is adaptable across countries, healthcare systems, and medical specializations, making it a globally scalable healthcare AI solution. |