**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

| Date | 26 June2025 |
| --- | --- |
| Team ID | LTVIP2025TMID31972 |
| Project Name | Health AI:Intelligent Healthcare Assistance using IBM Granite |
| Maximum Marks | 4 Marks |

**Brainstorm & Idea Prioritization :**

**Step-1: Team Gathering, Collaboration and Select the Problem Statement**

**Problem Statement Chosen**:  
 Many individuals lack access to intelligent and affordable health guidance tools. They often rely on unverified internet sources or delayed medical consultation. Our goal is to create a virtual healthcare assistant powered by AI (IBM Granite) that delivers accurate, timely, and user-friendly health advice for symptoms, treatment plans, and disease predictions — accessible to all.

**Step-2: Brainstorm, Idea Listing and Grouping**

#### **🔍 Idea Pool (Volume over Value)**

**Category: Core Features**

* AI symptom checker using IBM Granite
* Natural language doctor-patient chat interface
* Disease prediction and possible treatment suggestions
* Health history management (upload PDFs)
* Multilingual chatbot for rural inclusion

**Category: Value-Added Features**

* Preventive health tips and alerts
* Emotional well-being detection (tone analysis)
* Medical report summarizer
* Visual health analytics dashboard (charts, trackers)

**Category: Technical Enhancements**

* FastAPI backend for secure model API integration
* Streamlit frontend for ease of deployment
* Firebase for storing patient records securely
* Offline mode using local cache
* Rate limiting and retry logic for API calls

**Step 3: Idea Prioritization - HealthAI Project**

| Idea | Impact (1–5) | Feasibility (1–5) | Total (Out of 10) | Priority |
| --- | --- | --- | --- | --- |
| AI Symptom Checker | 5 | 5 | 10 | High |
| Natural Language Chat with Doctor Bot | 5 | 4 | 9 | High |
| Disease Prediction | 4 | 4 | 8 | Medium |
| Health History Upload (PDF Parser) | 4 | 3 | 7 | Medium |
| Emotional Well-being Detection | 3 | 2 | 5 | Low |
| Wearable Device Integration | 3 | 2 | 5 | Low |
| Visual Health Analytics Dashboard | 4 | 4 | 8 | Medium |
| Firebase Data Sync | 5 | 4 | 9 | High |
| Streamlit Frontend UI | 4 | 5 | 9 | High |
| Offline Mode Feature | 3 | 2 | 5 | Low |