Ideation Phase
Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID29337
Project Name	HealthAI: Intelligent HealthCare Assistant using IBM Granite
Maximum Marks	4 Marks

Team Members & Roles

Name	Role
Sayandeep Maity	Team Leader, Full Stack & LLM Integration using IBM Granite
Prathi Adithya Durga Sri Krishna Kumar	Frontend Developer (Streamlit)
Madhurya Veera	Backend Developer(Python)
Kolli Veera Raghava Thanvi	Model Testing, Dashboard Data Aggregation

Step 1: Team Gathering, Collaboration, and Selecting the Problem Statement

Problem Statement:

To develop an AI-powered Intelligent Healthcare Assistant using IBM Granite LLM that helps users with real-time medical responses, disease prediction, personalized treatment plans, and health analytics—improving healthcare accessibility and informed decision making.

Motivation:

People often struggle to access timely, accurate, and personalized healthcare information. Traditional healthcare systems lack real-time support for symptom analysis, treatment guidance, and health monitoring. HealthAI bridges this gap by providing conversational AI for medical queries, AI-driven disease predictions, personalized treatment plans, and health analytics—empowering users to make informed health decisions quickly and confidently.

Step 2: Brainstorming, Idea Listing, and Grouping

Initial Ideas:

- Integrate a conversational health assistant using IBM Granite

- Enable disease prediction based on user-reported symptoms

- Generate personalized treatment plans for users

- Visualize patient health metrics through an analytics dashboard

- Implement a user profile section with basic health details

- Build the app using Streamlit with Python backend and Plotly for charts

Grouped into Modules:

1. **Chat Module** – AI-powered patient chat using IBM Granite LLM

2. **Disease Prediction Module** – Predicts diseases from symptoms entered by users

3. **Treatment Plan Module** – Generates personalized treatment suggestions

4. **Health Analytics Module** – Displays patient health trends and metrics using Plotly

5. **Profile Management Module** – Manages user profile details like name, age, and blood type

6. **UI Module** – Streamlit frontend with navigation and feature-specific pages

Step 3: Idea Prioritization (Final Version)

Feature / Module	Importance	Feasibility	Notes
Chat Module	High	High	AI-Powered Patient Chat Using IBM Granite LLM.
Disease Prediction Module	High	High	Predicts Diseases from Symptoms entered by users.
Treatment Planner Module	High	High	Generate Personalized treatment Suggestions.
Health Analytics Module	High	Medium	Displays Patient health trend metrics using Plotly.
Profile Management Module	Medium	High	Manages User profile details like name, age and Blood group.
UI Module	High	High	Streamlit Frontend with Navigation and feature Specification.