**Ideation Phase**

**Define the Problem Statements**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID31894 |
| Project Name | Health AI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 2 Marks |

**2.1 Problem Statement**

Millions of individuals, especially in developing countries, lack timely access to reliable and personalized healthcare information. Most rely on unverified sources such as blogs, YouTube, and social media—often in English or technical medical language—creating confusion or anxiety.

Challenges Identified:

* Language barriers for non-English speakers
* Overwhelming or inconsistent Google results
* Lack of empathy in current AI health bots
* Inaccessibility of verified medical knowledge

**The Problem :**

There is currently **no free, multilingual, AI-based health platform** that:

* Understands natural language queries (e.g., “What can I do for cold and sore throat?”),
* Responds empathetically with medically relevant information,
* Supports regional languages like Hindi or Telugu, and
* Provides quick, structured outputs for remedies, conditions, and medications.

Users often turn to random blog posts, YouTube, or AI tools that are not context-aware, leading to misinformation, panic, or harmful self-medication.

**Why It Matters**

* Over 75% of users globally lack medical training to interpret clinical resources
* Language accessibility is limited in mainstream health tools
* Misinformation is a major public health risk
* AI adoption in healthcare lacks safe, multilingual educational applications for general users

**The Need**

There is a **critical need** for a **secure, intelligent, multilingual health assistant** that:

* Provides empathetic, safe, and reliable information
* Can identify probable health concerns based on symptoms
* Recommends natural home remedies
* Educates users on diseases and medicines
* Works in browser or mobile with no installation or signup