

## Ideation Phase

### Define the Problem Statements

Date	24 June 2025
Team ID	LTVIP2025TMID31859
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	

#### Customer Problem Statement Template:

Many advanced AI systems, particularly those based on deep learning, operate as "black boxes," meaning that their internal decision-making processes are opaque to users, including clinicians and patients. This lack of transparency makes it difficult to understand why a particular diagnosis or recommendation was made. In clinical settings where trust and accountability are paramount, this opacity poses serious ethical and practical problems. Medical professionals may be reluctant to rely on systems they cannot interpret, and regulatory authorities may be unable to assess the safety and efficacy of such tools. Explainable AI (XAI) is an emerging field that aims to address this issue, but its integration into healthcare remains limited.

Reference: <https://www.technologyreview.com/2022/08/25/1058930/chatbots-healthcare-ai/>

