**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID29210 |
| Project Name | **Health AI: Intelligent Healthcare Assistant Using IBM Granite** |
| Maximum Marks | 2 Marks |

Customer Problem Statements

Problem Statement 1 – Patient Chat Interface

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| --- | --- |
| Section | Description |
| I am | A curious or concerned person with health-related questions |
| I’m trying to | |  | | --- | |  |  |  | | --- | | Get clear, reliable answers about my symptoms or conditions | |
| But | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | Searching online gives conflicting or scary information | | |
| Because | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | I don’t have access to a trusted, AI-powered assistant for quick answers | | |
| Which makes me feel | Confused, anxious, and hesitant about taking the right steps |

Problem Statement 2 – Disease Prediction System

|  |  |
| --- | --- |
| Section | Description |
| I am | A patient experiencing multiple symptom s (e.g., headache, fatigue, fever) |
| I’m trying to | |  | | --- | |  |  |  | | --- | | Understand what condition I might be facing and what actions to take | |
| But | |  | | --- | |  |  |  | | --- | | I am unsure which symptoms are serious and what disease they might indicate | |
| Because | |  | | --- | |  |  |  | | --- | | I don’t have the medical expertise or instant access to reliable diagnostics | |
| Which makes me feel | Anxious, confused, and worried about my health decisions |

Problem Statement 3 – Treatment Plan Generator

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| --- | --- |
| Section | Description |
| I am | A user diagnosed with a health condition |
| I’m trying to | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | | Get personalized, evidence-based treatment recommendations |  |  | | --- | |  | | |
| But | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | I receive generic advice that doesn’t consider my unique health profile | | |
| Because | |  | | --- | |  |  |  | | --- | |  | |  |  |  | | --- | | I lack access to tailored medical guidance outside clinical visits | |
| Which makes me feel | |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | Uncertain and unsupported in managing my condition effectively | |  |  | | --- | |  | |

Problem Statement 4 – Health Analytics Dashboard

|  |  |
| --- | --- |
| Section | Description |
| I am | A health-conscious individual tracking my health over time |
| I’m trying to | |  | | --- | |  |  |  |  | | --- | --- | | |  | | --- | | Visualize my health metrics and detect trends or risks early | | |
| But | |  | | --- | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | I can't interpret raw data or recognize what the numbers really mean | | | |
| Because | |  | | --- | |  |  |  | | --- | |  | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | I don’t have access to a smart tool that explains patterns in simple terms | | |
| Which makes me feel | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | |  |  |  | | --- | | Overwhelmed and unsure about how to improve my health proactively | | |  |  | | --- | |  | |