**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | **LTVIP2025TMID35735** |
| Project Name | **Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques** |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

**Problem Statement 1 :**

**Corporate Officer (Finance Manager, Age 45)**

I work long hours in a high-pressure corporate environment. Most of my day is spent sitting in meetings, managing teams, and making quick decisions. Healthy eating and regular exercise often take a back seat. Over the past few months, I’ve felt increasingly fatigued, bloated, and mentally drained. I recently got some blood tests done during an annual checkup, but I don’t really understand the results. I'm worried something could be wrong—like liver damage—but I don't have time for multiple hospital visits or waiting weeks for specialists. I need a quick, accurate tool that can help me understand if I'm at risk for liver cirrhosis using my existing test reports, so I can act early and avoid serious complications.

**Problem Statement 2:**

**A Frequent Traveler (Corporate Consultant, Age 42)**

I travel a lot for work—different countries, different time zones, irregular meals, and high stress. I don’t always have time for regular checkups. Recently, I’ve been feeling unusually tired and bloated. I got some blood work done during a quick visit home, but I don’t know how serious it is. I wish there was a fast, intelligent way to understand whether I might be at risk for something like liver cirrhosis—without waiting weeks for results or needing to visit a specialist.

**Problem Statement 3:**

**A Lifestyle Influencer (Social Media Creator, Age 29)**

As someone in the public eye, I’m always managing my appearance and energy, but lately I’ve felt low on stamina and my skin looks dull. I’ve done some health tests for my content collabs, but I haven’t made time to get them professionally reviewed. I worry about liver health because of irregular eating, supplements, and occasional alcohol. If I had an app or tool that could analyze my health data and give me early warnings—privately—I’d feel much more in control.