Ideation Phase
Define the Problem Statements

Date	23 June 2025
Team ID	LTVIP2025TMID39531
Project Name	**Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques**
Maximum Marks	2 Marks

Customer Problem Statement Template:

The project is focused on creating an advanced machine learning-based predictive model to identify the onset or progression of liver cirrhosis in patients. Liver cirrhosis, a severe condition marked by liver tissue scarring due to prolonged damage, requires early detection and intervention to improve patient outcomes and avoid complications. By examining diverse patient data, including medical history, lab results, imaging scans, and lifestyle factors, the model aims to predict the likelihood of liver cirrhosis. This will assist healthcare professionals in making well-informed decisions regarding patient care.

I am	I'm trying to	But	Because	Which makes me feel
A HEALTHCARE PROVIDER	ASSESS THE RISK OF PATIENTS DEVELOPING LIVER CIRRHOSIS	I NEED ASSISTANCE IN TREATMENT PLANNING	I HAVE RESOURCE CONSTRAINTS - LIMITED AVAILABILITY OF DIAGNOSTIC EQUIPMENT AND SPECIALISTS	CHALLENGED IN DELIVERING COMPREHENSIVE TREATMENT PLANS

Reference: https://miro.com/templates/customer-problem-statement/

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques	A Healthcare Provider	Assess the risk of patients developing liver cirrhosis	I need assistance in treatment planning	I have resource constraints-limited availability of diagnostic equipment and specialists	Challenged in delivering comprehensive treatment plans