Project Initialization and Planning Phase

Date	27ᵗʰ June 2025
Team ID	LTVIP2025TMID33348
Project Name	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques.
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Liver cirrhosis is a serious condition where liver tissue scars due to long-term damage, highlighting the importance of early detection and intervention for improved patient outcomes and complication prevention. By analysing comprehensive patient data including medical history, lab results, imaging scans, and lifestyle factors, our predictive model will assess the likelihood of liver cirrhosis. This will enable healthcare professionals to make informed decisions, offering timely care and personalized treatment plans to patients at risk, thus enhancing overall healthcare quality and patient management.
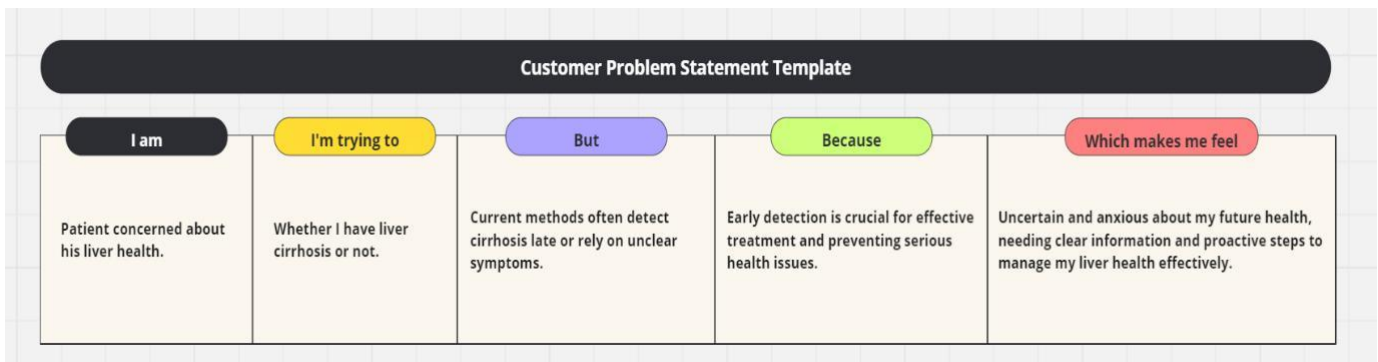
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Patient concerned about his liver health.	Whether I have liver cirrhosis or not.	Current methods often detect cirrhosis late or rely on unclear symptoms.	Early detection is crucial for effective treatment and preventing serious health issues.	Uncertain and anxious about my future health, needing clear information and proactive steps to manage my liver health effectively.