Ideation Phase
Define the Problem Statements

Date	JUNE 2025
Team ID	**LTVIP2025TMID40719**
Project Name	Revolutionizing Liver Care: Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	2 Marks
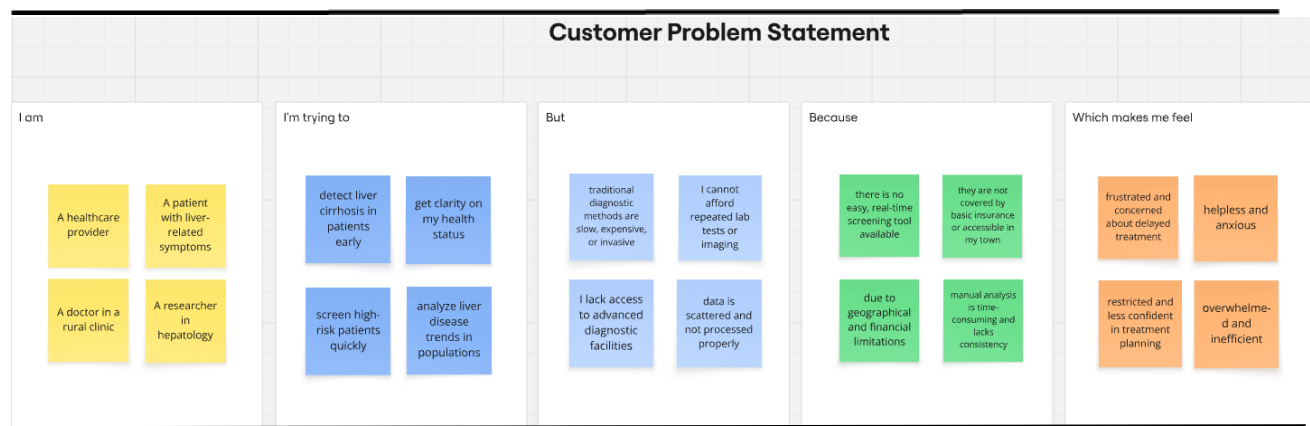
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A healthcare provider	detect liver cirrhosis in patients early	traditional diagnostic methods are slow, expensive, or invasive	there is no easy, real-time screening tool available	frustrated and concerned about delayed treatment
PS-2	A patient with liver-related symptoms	get clarity on my health status	I cannot afford repeated lab tests or imaging	they are not covered by basic insurance or accessible in my town	helpless and anxious
PS-3	A doctor in a rural clinic	screen high-risk patients quickly	I lack access to advanced diagnostic facilities	due to geographical and financial limitations	restricted and less confident in treatment planning
PS-4	A researcher in hepatology	analyze liver disease trends in populations	data is scattered and not processed properly	it is time-consuming and lacks consistency	overwhelmed and inefficient