

Ideation Phase

Define the Problem Statements

Date	3 JUNE 2025
Team ID	LTVIP2025TMID33932
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

I am	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the care about - <i>what are they trying to achieve?</i>	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - <i>what bothers them most?</i>	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists - <i>what needs to be solved?</i>	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - <i>how does it impact them emotionally?</i>	Describe the emotions the result from experiencing the problems or barriers

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

Example:

I am	I'm tryin to	But	Because	Which makes me feel
a researcher working on liver disease prediction in the AI & ML field	build a more accurate model for predicting liver cirrhosis early using machine learning	I am facing challenges with the limited modical and labeled data for training the model effectively	datasets on liver conditions are often incomplete or difficult to access for research	frustrated and cautious about how reliable the model will be in real-world medical scenarios

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am a healthcare professional ,	I'm trying to detect liver problems in patients at an early stage,	But I lack accurate tools to predict disease risk in advance,	Because traditional methods rely on symptoms or delayed reports,	Which makes me feel uncertain and limited in providing timely care.
PS-2	I am a person concerned about my liver health,	I'm trying to monitor and know my liver condition before it gets serious,	But I don't know when to consult a doctor,	Because I don't have access to easy, predictive health insights,	Which makes me feel worried, confused, and helpless.