

## Ideation Phase

### Define the Problem Statements

Date 02 July 2025	31 January 2025
Team ID	LTVIP2025TMID33468
Project Name	Predicting Liver Cirrhosis Using Machine Learning
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.

<b>I am</b>	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
<b>I'm trying to</b>	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
<b>but</b>	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
<b>because</b>	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
<b>which makes me feel</b>	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:



<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
Predicting Liver Cirrhosis Using Machine Learning	A general physician	Accurately detect early-stage liver cirrhosis using lab test data	I struggle to manually interpret multiple biochemical test indicators	I don't have a fast, reliable decision support system	Uncertain and anxious about missing early diagnosis
Automating Liver Health Risk Assessment	A diagnostic lab technician	Assist doctors by providing accurate liver health risk assessments from reports	I rely heavily on manual analysis of complex test values	There's no intelligent system that can analyze patterns instantly	Pressured and stressed about delays in generating reports