Project Initialization and Planning Phase

Date	4 July 2024
Team ID	SWTID1720092248
Project Name	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques
Maximum Marks	3 Marks

Customer Problem Statement Template:

Early detection of liver cirrhosis is crucial but challenging with current diagnostic methods, leading to delayed treatment and poor patient outcomes. Healthcare providers need a precise, fast, and reliable solution to predict liver cirrhosis using advanced machine learning techniques, improving early diagnosis and patient care.

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

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

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Researcher studying	identify patterns and	The sheer volume of medical data,	Traditional statistical	Patients might feel frustrated by

		liver diseases	factors contributing to cirrhosis	including patient histories, lab results, imaging studies, and genetic information, can be overwhelming.	methods may not be able to handle or process large datasets efficiently.	the slow and often inconclusive diagnostic process, which creates the feeling of helplessness for the researchers.
PS-2	Health Care Provider	Identify liver cirrhosis in patients	Traditional diagnostic methods may not detect liver cirrhosis until it reaches an advanced stage.	Early signs of cirrhosis can be subtle and not easily detectable through conventional analysis.	Lack of clarity about health status. This uncertainty causes significant anxiety and stress for patients.