IdeationPhase
DefinetheProblemStatements

Date	15 June 2025
TeamID	LTVIP2025TMID41362
ProjectName	RevolutionizingLiverCare:PredictingLiver CirrhosisUsingAdvancedMachineLearning Techniques.
MaximumMarks	2 Marks

DefineProblemStatements(CustomerProblemStatementTemplate):

Liver cirrhosis is a serious condition whereliver tissue scars due to long-term damage, highlighting the importance of early detection and intervention for improved patient outcomes and complication prevention.Byanalysingcomprehensivepatientdataincludingmedicalhistory,labresults,imaging scans, and lifestyle factors, our predictive model will assess the likelihood of liver cirrhosis. This willenablehealthcareprofessionalstomakeinformeddecisions,offeringtimelycareand personalizedtreatmentplanstopatientsatrisk,thusenhancingoverallhealthcarequalityandpatient management.

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
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.

Problem Statement (PS)	I am (Customer)	I'mtryingto	But	Because	Whichmakesme feel

| PS-1 | Patientconcerned about his liver health. | Whether I have livercirrhosisor not. | Currentmethods often detect cirrhosislateor rely on unclear symptoms. | Earlydetectionis crucial for effective treatmentand preventing serioushealth issues. | Uncertainand anxiousaboutmy future health, needing clear information and proactivestepsto manage my liver healtheffectively. |