Ideation Phase

Define the Problem Statements

DATE	17 November 2022
TEAM ID	PNT2022TMID53565
PROJECT NAME	Statistical Machine Learning Approaches to Liver Disease Prediction
MAXIMUM MARK	2 MARKS

The main objective of this project is to analyze the parameters of various classification algorithms and compare their precision ,recall ,F1 score and accuracies so as to findout the best classifier for determining the liver disease. Here we are building a model by applying various machine learning algorithms to find the best accurate model and integrate it to a flask-based web application.User can predict the disease by entering the values in the web application. So many statistical and machine learning approaches (e.g., simulation modeling, classification, and inference)have been used by researchers and lab technicians for better prediction. The clinical results are more data-driven than model-dependent.

Problem Statement (PS)	I am (Customer)	I am trying to	But	Because	Which makes mefeel
PS-1	Patient	Check if I have Liver disease	The implementation of this idea is difficult	There are variations in accuracies, which are unavoidable	depressed
PS-2	Patient	Simply experiment with the app	The implementation of this project is difficult	There are variations in accuracies, which are unavoidable	Sad