

Ideation Phase

Define the Problem Statements

Date	7 September 2022
Team ID	PNT2022TMID00576
Project Name	Statistical Machine Learning Approaches to liver disease prediction
Maximum Marks	2 Marks

Problem Statement:

Liver diseases avert the normal function of the liver. It is mainly caused due to the large amount of alcohol consumption. Early prediction of liver disease using classification algorithm can help the doctors to diagnose the existence of liver disease at an early stage which is a complex task for the doctors. The main objective of this project is to analyze the parameters of various classification algorithms and compare their predictive accuracies so as to find out the best classifier for determining the liver disease. This project examines the data from liver patients concentrating on relationships between them to predict the likeliness of liver disease and building a model to find the best accurate model and integrate to flask based web application using which the user can predict the liver disease by entering their parameters.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Person with busy schedule	Detect the disease	It takes long time	Running each test is time consuming	Tired and irritated
PS-2	Person during covid lockdown	Check my health	I am not able to move out of my house	It is home quarantine	Frustrated