IDEATION PHASE

PROBLEM STATEMENT

DATE	7 September 2022
TEAM ID	PNT2022TMID15553
PROJECT NAME	Statistical Machine Learning Approaches to Liver Disease
MAXIMUM MARK	2 Marks

Problem Statement:

Medical diagnoses have important implications for improving patient care, research, and policy. For a medical diagnosis, health professionals use different kinds of pathological methods to make decisions on medical reports in terms of the patients' medical conditions. Recently, clinicians have been actively engaged in improving medical diagnoses. The use of machine learning with clinical findings has further improved disease detection. In the human body, liver is considered as the main organ, which plays a central role in several bodily functions .This project, which identifies whether the patient is suffering from liver disease or not. Our aim should be to train various machine learning algorithms on this dataset so that we have a well performing model which is able to classify any new data point as a positive or negative with a reasonable degree of accuracy and perform better than the benchmarks.

I am	The patient who wants to know whether the person is affected by the liver disease or not using the attributes glucose and bilirubin levels.
I'm trying to	Use the recent technologies to identify whether the patient is having the liver disease or not.
But	I am unaware of the existing technology that can help me a lot to predict the disease and I don't know to use the correct algorithm for disease.
Because	I don't want to predict wrong decisions.
Which makes me feel	I'm not capable of giving accurate results to the patients.