

## Project Design Phase-I Solution Architecture

Date	19 October 2022
Team ID	PNT2022TMID00269
Project Name	<b>Project - Statistical Machine Learning Approaches to Liver Disease Prediction</b>
Maximum Marks	4 Marks

### Solution Architecture:

Liver diseases avert the normal function of the liver. Discovering the existence of liver disease at an early stage is a complex task for the doctors. Liver disease is predicted and makes the detection process easier. The main objective of this project is to analyse the parameters of various classification algorithms and compare their predictive accuracies so as to find out the best classifier for determining the liver disease. Then a model is built, it is then trained using number of inputs and predictions are made.

The steps are:

- Data acquisition
- Preprocessing
- Algorithm
- Disease prediction
- Informing the user

### Solution Architecture Diagram:

