

**Project Design Phase-I**  
**Proposed Solution Template**

Date	04 November 2022
Team ID	PNT2022TMID53565
Project Name	Statistical Machine Learning Approaches to Liver Disease Prediction
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Here we are discovering complications in liver in a short interval. The main problem is we aren't able to detect a liver disease for patients in a fast and accurate way and diagnose it in an early stage.
2.	Idea / Solution description	Here we are using a Machine learning model. It uses statistical data to detect the liver disease of the patients at an instant.
3.	Novelty / Uniqueness	The unique part of the project is we have used latest methods in this project. Various machine learning models are implemented and we have chosen SVM for accurate results.
4.	Social Impact / Customer Satisfaction	It creates an impact on reducing fatalities of patients due to liver diseases. Doctors can diagnose this disease in a early stage.
5.	Business Model (Revenue Model)	This system can be integrated with any Health sector domain. It solves the complex process of predicting the liver disease of patients and makes it easy for the doctors to diagnose the liver disease.
6.	Scalability of the Solution	Accuracy of the model can be increased by training with large data. The model can be made to learn from the user input. Model is deployed in the web where the public from across the world can use to predict the likeliness of liver disease.