Project Design Phase-I
Proposed Solution Template

Date	17 October 2022
Team ID	PNT2022TMID20879
Project Name	Project - Statistical Machine learning Approaches to Liver Disease Prediction
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Our Proposed System provides a solution to predict liver disease using statistical machine learning. The purpose of this study was to extract significant predictors for liver disease from the medical analysis of humans using ML algorithms by which it becomes easy to treat a patient before it grows to a bad condition.
2.	Idea / Solution description	In our proposed system, we developed a web application in which the patient's information is taken as input and provides a solution for the liver disease affected by that patient.
3.	Novelty / Uniqueness	The main motive of our proposed system is to provide a comparative analysis of the entire machine learning techniques for diagnosing and predicting liver disease in the medical area. The analysis is based on Accuracy, Sensitivity, Precision, and Specificity. The Prediction for these results will be shown in a user-friendly manner.
4.	Social Impact / Customer Satisfaction	This analysis helps the patient and physician for cost-effective and early forecasting of liver disease and the level of risk identified in this analysis will help the patient to maintain health free from liver diseases.
5.	Business Model (Revenue Model)	The Unpack of our project in a business scope is meant to be plenty, it becomes more useful for the user such as patients and doctors. It becomes necessary to the community of the people and it comes in handy in day-to-day life.
6.	Scalability of the Solution	Prioritizing scalability is an essential aspect of digital health solutions, as it facilitates lower maintenance costs, and better user experience and can contribute to new models of care and improved health outcome. Our proposed system can provide the desired solution to the user's problem in time.