Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID14539
Project Name	Statistical Machine Learning Approaches to Liver Disease Prediction
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To decrease the mortality rate of the patients who are suffering from liver diseases by identifying the diseases at early stages.
2.	Idea / Solution description	Applying techniques of Supervised machine learning algorithms such as Decision tree, Support Vector machine, logistic regression etc,.By learning the pattern of the blood content using the above algorithms we can predict the liver disease at the early stage.
3.	Novelty / Uniqueness	Feature selection technique helps to reduce the irrelevant and redundant data without affecting the accuracy of the prediction model.
4.	Social Impact / Customer Satisfaction	By predicting the liver disease at the early stages we can reduce the mortality rate , chronic liver failures etc,. Patients can take appropriate treatment for their respective liver disease.
5.	Business Model (Revenue Model)	Patients can prolong their lives, reduce medical charges and reduce the side effects.
6.	Scalability of the Solution	This solution works for patients in a hospitals