

PROJECT DESIGN PHASE-1

PROPOSED SOLUTION TEMPLATE

DATE	24 September 2022
TEAM ID	PNT2022TMID53353
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)	To predict whether a person is affected by liver disease or not.
2.	Idea / Solution description	Since the symptoms are very common ,our machine learning model helps in predicting whether they are affected by liver disease or not, and also shows an approximate percentage of the possibility that the prediction is true.
3.	Novelty / Uniqueness	If our model turns out to be successful, it might display highest possible accuracy. As an additional feature, we try to make sure a pdf of the generated report is available for the website user for future reference.

4.	Social Impact / Customer Satisfaction I	Helps patients who are affected by liver disease or even those who are doubtful that they might be affected. Also helps the physicians to cross verify their diagnosis report.
5.	Business Model (Revenue Model)	We can generate revenue using displaying ads, fee-based subscription or licensing.
6.	Scalability of the Solution	The proposed solution is very scalable as it does not require any external tools, it just requires a proper data-set, domain knowledge and required skill in machine learning techniques.