PROJECT DESIGN
PHASE-I
PROPOSED SOLUTION

Date	24 September 2022
Team ID	PNT2022TMID00071
Project Name	Project – Statistical Machine Learning Approaches to Liver Disease Prediction

PROPOSED SOLUTION TEMPLATE:

S.No.	Parameter	Description
1.	PROBLEM STATEMENT	Problems with liver patients are not easily discovered in an early stage as it will be functioning normally even when it is partially damaged. An early diagnosis of liver problems will increase patients survival rate.
2.	IDEA / SOLUTION DESCRIPTION	This application provides an early detection of liver diseases such as Liver cancer, Bile duct cancer , etc. using Statistical Machine Learning Approaches with classification of training model.
3.	NOVELTY	• Providing the present condition of the liver quickly. • Early prediction of liver disease using classification algorithms is an efficacious task that can help the doctors to diagnose the disease within a short duration of time. • Discovering the existence of liver disease at an early stage is a complex task for the doctors.
4.	SOCIAL IMPACT	• It is possible for people to know the condition of the liver without going to hospital, scan centers or any other health centers. • It will create an evolution in the Health Industry. • It avoids the expenditure made by the people for doctor's fee, scans, unwanted treatments, etc.
5.	BUSINESS MODEL	• We can sell this application to large scale, medium scale and small scale hospitals at a profitable amount for early prediction of the liver disease. • It will be used in most of the hospitals globally in the future.
6.	FEASIBILITY OF IDEA	• It is compatible with all browsers. • This application is accessible all over the world.
7.	SCALABILITY OF SOLUTION	• Enhancements to the application through expert customer service. • Frequent Support about the condition of the liver will be provided.