Project Design Phase - I
ProposedSolutionTemplate

Date	13 October 2022
TeamID	PNT2022TMID01272
Project Name	Statistical Machine Learning Approaches to Liver Disease Prediction
MaximumMarks	2Marks

ProposedSolutionTemplate:

S.No.	Parameter	Description
1.	ProblemStatement(Problemtobesolved)	We propose a solution to predict liver disease using statistical machine learning and derive the useful insights topatient and doctor to help them in a know about their disease. In hospitals, it is very necessary totreat patients in before hand rather than letting it grow to worse stage.
2.	Idea/Solutiondescription	We propose a solution to build a simple webapplication which takes input as patient-dataand returns us output with the prediction of liver disease affected by the patient.The results will be displayed to the end user in a web page.
3.	Novelty/Uniqueness	The innovative and additional perk to make thissolution stronger and the results more reliable,we use machine learning algorithms to developa predictive analysis model which will be usedto make predictions either on the patient's liver disease.Predictionfortheseresultswillbeshownin theuserfriendly-manner.
4.	SocialImpact/CustomerSatisfaction	The solution can never go unnoticed, though itisnewtothesociety,becauseitis inaproactive way of prediction. It willaddresstheconcernofthekeystakeholders,so it will create the impact in the patient as wellasthesocial side.
5.	BusinessModel(RevenueModel)	The take-away of this project in a businessscope of manner is mean to be plenty, it can bebeneficial for the users (Patients and Doctors)more intriguing way. It is in need for thecommunity of people, where it comes to handyin day-to-day life. It is a part of the life savinganalysisandinsights.

6.	ScalabilityoftheSolution	Scalability is the measure of the systemperformance against the increase or decreasein user demand. The system can handle theuserrequestandreturntheresultsontime.It does not require much of the Graphicalprocessor unit; it can be even run on thesystem of both doctor and patient.