

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September2022
Team ID	PNT2022TMID49098
Project Name	Project - statistical Machine learning approaches to liver disease predictions
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)	One of the major diseases in the world is liver disease. The liver is an important part of the large organs in the human body and is also considered a gland. This is because it creates and bites bile. Liver disease is a liver problem that causes the disease. The objective of this study is to propose a rule-based classification model with basic decision making techniques to predict various types of liver disease.
2.	Idea / Solution description	To get better results the experiment was done using a different data mining algorithm compared with previous liver disease predictions. All experiments have been implemented at Azure Machine Learning tool. This paper is about to study the prediction of liver disease to produce better performance accuracy by comparing various mining data classification algorithms.
3.	Novelty / Uniqueness	The industry that are providing healthcare is producing a large amount of data. We know that Machine Learning algorithms can also be used to find hidden information for diagnosis and effective decision making. main aim is to predict liver disease using different classification algorithms.
4.	Social Impact / Customer Satisfaction	Drinking alcohol Unbalanced diet Taking many medications
5.	Business Model (Revenue Model)	Two modes of business model : Online mode: This mode is used for patient to hearing suggestions for doctor, patients are any place and transaction money through online mode. Offline mode: This mode is used to direct approach from doctor and getting medicine.

6.	Scalability of the Solution	The best thing patient can be treated with lifestyle modifications, such as stopping alcohol use or losing weight, typically as part of a medical program that includes careful monitoring of liver function. Other liver problems may be treated with medications or may require surgery.
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