

## Project Design Phase-I

### Proposed Solution

Date	07 October 2022
Team ID	PNT2022TMID03302
Project Name	Project –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)	Discovering the existence of liver diseases at early stage is a complex task for doctors. The challenge is to predict the liver disease patient fast and accurate and to diagnose the patients in early stage .
2.	Idea / Solution description	Machine learning model which uses statistical data to predict the liver disease of the patients.
3.	Novelty / Uniqueness	Accurately classifies the intensity of the liver disease from the patients concentrating on relationship between a key list of enzymes, proteins, age and gender using them to predict the likeliness of the liver Disease.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>✓ Capable of predicting the liver disease in early stage</li><li>✓ Works accurately and precisely to predict the liver disease</li><li>✓ Doctors can be able to diagnose the live patients in early stage to save many lives.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>✓ This system can be integrated with any Health sector domain, It solves the complex process of predicting the liver disease of patients and makes ease to</li></ul>

		<p>the doctors to diagnose the liver disease.</p> <ul style="list-style-type: none"> <li>✓ The user can be able to get consulting with doctors.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>✓ Can be extended to predict many classification of diseases in early stage.</li> <li>✓ This can be integrated to with any hospitals and health sectors to get patient records securely through APIs.</li> </ul>