

Project Initialization and Planning Phase

Date	23 September 2024
Team ID	LTVIP2024TMID25021
Project Name	Prediction and Analysis of liver patient data using machine learning
Maximum Marks	3 Marks

Define Problem Statements (Patient Problem Statement Template):

Liver diseases are a global health concern, and early detection is critical. The goal of this project is to build a machine learning model that predicts liver diseases based on demographic, clinical, and biochemical data, as well as imaging results. The project involves cleaning and exploring the data, developing predictive models (using various algorithms), and identifying key factors influencing liver disease. The outcomes aim to help doctors detect liver disease risks early and improve treatment strategies, while also addressing challenges related to data quality and privacy concerns.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A Person	Diagnosis liver problem	Symptoms can be vague or mistaken for other conditions, leading to late diagnosis.	No specific symptom, gradual onset, overlap with other conditions, Misdiagnosis	Progression of Disease, Delayed Treatment, Financial Burden, increased Anxiety and Stress.

I am	I'm trying to	But	Because	Which makes me feel
<ul style="list-style-type: none"> A person 	<ul style="list-style-type: none"> Diagnosis liver problem. 	<ul style="list-style-type: none"> Symptoms can be vague or mistaken for other conditions, leading to late diagnosis. 	<ul style="list-style-type: none"> No specific symptom, gradual onset, overlap with other conditions, Misdiagnosis 	<ul style="list-style-type: none"> Progression of Disease, Delayed Treatment, Financial Burden, increased Anxiety and Stress..