

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	15 October 2022
Team ID	PNT2022TMID00067
Project Name	Statistical Machine Learning Approaches to Liver Disease Prediction
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Input	Get necessary details for prediction
FR-4	Data Processing	Data cleaning, Data scaling, Feature selection
FR-5	Prediction	Predicting whether the user has liver disease or not

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	To check whether the patient has liver disease or not
NFR-2	<b>Security</b>	Implement necessary techniques to provide security to the user data
NFR-3	<b>Reliability</b>	Make ensure that the model is reliable
NFR-4	<b>Performance</b>	Use efficient ML techniques for better accuracy
NFR-5	<b>Scalability</b>	Predicts various types of liver disease