

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

Date	15 October 2022
Team ID	PNT2022TMID36043
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
FR-2	User Confirmation	Confirmation via Email Confirmation via Password
FR-3	User Input	Get necessary details for prediction
FR-4	Data Processing	Data Cleaning Data Scaling Augmentation Feature selection
FR-5	Prediction	Predicting whether the user has Liver disease or not and its type

Non-functional Requirements:

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

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