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

Date	18 October 2022
Team ID	PNT2022TMID24640
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**	Defines the difficulty faced by the user to learn and operate the application.
NFR-2	**Security**	Ensures that the software is protected from unauthorized access and stored data.
NFR-3	**Reliability**	Reliability defines how likely it is for the software to work without failure for a given period. It decreases with because of the bugs, the software failures , system failures and the system requirements.
NFR-4	**Performance**	It is a quality attribute that indicates how the app is functioning and how responsive the app is to the end-user.
NFR-5	**Scalability**	It the ability of an application to handle a growing number of users and load, without compromising on performance and causing disruptions to user experience.
NFR-6	**Availability**	It is the extent to which an application is operational, functional period of functionality and usable for completing or fulfilling a user's or business's requirements.