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

Date	19 October 2022
Team ID	PNT2022TMID05432
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	New user account can be created through web application.
FR-2	User Confirmation	The system gives an approval message after the user account is activated.
FR-3	User Input Medication Data	Data should be fed to the dashboard text fields in the application.
FR-4	Database Management	User data will be saved in the database and will be used for future reference.
FR-5	Reporting	Predicting liver disease using given data and generatingthe medical report for future use.
FR-6	Internet Connectivity	User should have a stable internet connection to access the functionality of our project via web application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The whole system can be accessed through web application. Hence it is very easy to use.
NFR-2	**Security**	The user data will be stored in a database so the user's data is secured.
NFR-3	**Reliability**	As the data is stored in a database, the data cannotbe manipulated externally so it is highly reliable.
NFR-4	**Performance**	Application effectively compares user given parameters with the required dataset. Hence performance would be considerably good.
NFR-5	**Availability**	Application is active all the time so the user can avail it anytime.
NFR-6	**Scalability**	Application can be used in any kind of operating system either in small or large OS so the scalability is very high.