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

Date	29 October 2022
Team ID	PNT2022TMID20879
Project Name	Project - Statistical Machine learning Approaches
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	The user can register by creating an account in the application through either by Gmail ID or Linked IN with their unique password and it can be done by applying through form.
FR-2	User Login	Once the user register has been confirmed via Email or OTP, then the user can login with their credential ID and password and if the user already has an account, then the directly login to the application.
FR-3	Admin Login	The admin can login to the website application were the admin can collect the patient's data and find the analysis of the predicted data.
FR-4	Enter Data and Upload Image	The User enter the data which is required in the website and the user need to upload the scanned image of liver in the dropdown menu from various assets like (Drop box, gallery etc.,).
FR-5	Prediction	The prediction is done by the admin with the help of the data given by the patient. The prediction is done to find whether the patient were affected by the liver disease or not.
FR-6	Report displayed	The result of the tested data will be generated as report in the form of PDF and stored in the user login and it will automatically download to the user system.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The website allows user to access and perform task in the website easily and efficiently. This application can be accessed by any user and those who affected by liver disease can also use this tool to diagnosis.
NFR-2	**Security**	The information or data which is stored in the website were protected against threat by unauthorized user.
NFR-3	**Reliability**	Our proposed system is more accuracy when compared with the existing system and it should take less time than the existing system.

NFR-4	**Performance**	The proposed system's response time and processing time is faster than the existing system and its performance is high.
NFR-5	**Availability**	This application is available to all the user at an time.
NFR-6	**Scalability**	The website must be stable even when multiple users are accessing it at the same times and our proposed system is scalable.