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

Date	15 October 2022
Team ID	PNT2022TMID49949
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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	Prediction	Liver Disease can be Predicted more Accurately by using Support Vector Machine Algorithm
FR-4	Hardware Requirements	2GB RAM(minimum) 100GB HDD(minimum) Intel i3 quad core 1.66GHz processor(minimum) Internet Connectivity
FR-5	Software Requirements	Windows 7 or higher Python 3.6.0 or higher Visual Studio Code Flask (python platform) HTML Dataset consisting of Liver Disease Required libraries Jupiter notebook
FR-6	Other requirements	IBM cloud login Chrome extension features
FR-7	Events	Model needs a capability of retrieving and displaying accurate result

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description

NFR-1	**Usability**	This system is really used as it can able to detect Liver Disease .By detecting the liver disease early ,death rate is decreased
NFR-2	**Security**	Assuring all data inside the system or its part will be Protected
NFR-3	**Reliability**	This Approach gives more accuracy than the existing solution
NFR-4	**Performance**	The effectiveness of these methods relies on feature collection, training data, and classification algorithms. It must be processed and executed within a fraction of a second using the Machine learning algorithm
NFR-5	**Availability**	It doesn't have any restrictions , it is available for all individual user
NFR-6	**Scalability**	It is acceptable to fit them over any place and any resources.