

## Project Design Phase-II

### FUNCTIONAL REQUIREMENTS

Date	27 October 2022
Team ID	PNT2022TMID35655
Project Name	Project-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 present in liver disease prediction website
FR-2	User Confirmation	Confirmation through registered Email
FR-3	Prediction	Based on the data's entered like age, gender and symptoms the type of liver disease is predicted.
FR-4	Hardware Requirements	Intel i3 core processor Internet Connectivity
FR-5	Software Requirements	Windows 7 or higher Python 3.6.0 or higher Visual Studio Code Dataset Jupyter notebook
FR-6	Database Retrieval	we retrieve the data from the database.

## Non-functional Requirements:

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

NRF.NO	Non-Functional Requirement	Description
NRF-1	Usability	Due to the early detection of the liver diseases ,death rate can be decreased
NRF-2	Security	it ensures all data in the system will be Protected
NRF-3	Reliability	it provides secured storing of data and access
NRF-4	Performance	Performance is high as we are using various Machine learning classification algorithms to find the best and the accurate model.
NRF-5	Availability	It can be accessed by all the users.
NRF-6	Scalability	It is acceptable to fit over any place and any resources.