

## Project Design Phase-II

### Solution Requirements (Functional & Non-Functional)

Date	15 <sup>th</sup> October 2022
Team ID	PNT2022TMID13793
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 OTP
FR-3	Website Entry	Collecting user's data and storing it in the Database
FR-4	Permissions	Location, Storage, Contacts

#### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
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<b>NFR-1</b>	<b>Usability</b>	Defines how difficult it will be for a user to learn and operate the system. Usability can be accessed from different points.
<b>NFR-2</b>	<b>Security</b>	Security requirements ensure that the software is protected from unauthorized access to the system and its stored in data.
<b>NFR-3</b>	<b>Reliability</b>	Reliability defines how likely it is for the software to work without failure for a given period. Reliability decreases because of bugs in the code , hardware , failures and problems with other system component.
<b>NFR-4</b>	<b>Performance</b>	It is quality attribute that describes responsiveness of system to the various user interactions with it.
<b>NFR-5</b>	<b>Availability</b>	It is gauged by period that system's functionality & services are available for use with all operations.
<b>NFR-6</b>	<b>Scalability</b>	Scalability describes how the system must grow without negative influence on its performance. This means serving more users , processing more data , doing more transactions . Website traffic limit must be scalable enough to support 2,00,000 users at a time.