

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

Date	03 October 2022
Team ID	PNT2022TMID35432
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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Verification	Submit necessary medical documents for validation
FR-4	User Dashboard	Redirect to dashboard after successful login and put a hyperlink to enter the data.
FR-5	Follow-up	Contact the user to see if they got in touch with the recommended doctors around their region. (Assuming they have been predicted to have the disease)
FR-6	Database	Create a database to store all activity that takes place in the web app for administrative/development purposes.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	A functioning server that is capable of running the application 24x7
NFR-2	Security	Follow valid general-purpose protocols for providing security and privacy to the data and users.
NFR-3	Reliability	Tweak the model as and when new findings arise to make the model as reliable as possible.
NFR-4	Performance	Make the whole process as user-friendly as possible.
NFR-5	Availability	Model is preferred to be available 24x7 as the application to be hosted on a web server.
NFR-6	Scalability	Model can be tweaked and easily changed when new findings can prove useful insights for getting a better model. Can also change the design of the website as needed.