

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

Date	17 October 2022
Team ID	PNT2022TMID33248
Project Name	EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING

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 website or application Registration through Social medias (like Instagram, Facebook)
FR-2	User Confirmation	Verification via Email Verification via OTP
FR-3	User Login	Login through website or App using the respective username and password
FR-4	User Access	Allows the website requirement
FR-5	User Guide	Guides the basic steps of using the application
FR-6	User Upload	User should be able to upload the data
FR-7	User Solution	Data report should be generated and delivered to user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Ease of use prerequisites can consider dialect boundaries and localization assignments. Ease of use can be surveyed from the underneath capacities. Effectiveness of use. Low seen workload. Simple and basic UI.
NFR-2	Security	Get to consents for the specific framework data may as it were be changed by the system's information director.
NFR-3	Reliability	The database overhaul prepare must roll back all related upgrades when any overhaul comes up short.
NFR-4	Performance	The front-page stack time must be no more than 2 seconds for clients that get to the site utilizing an VoLTE versatile association.
NFR-5	Availability	New module deployment mustn't impact front page, product pages, and check out pages availability and mustn't take longer than one hour. The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again.
NFR-6	Scalability	Ready to increment versatility by including memory, servers, or disk space. On the other hand, ready to compress information, utilize optimizing calculations. The site participation constrain must be versatile enough to back 500,000 clients at a time.