

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

Date	11 October 2022
Team ID	PNT2022TMID35275
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning
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 Login page
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Requirements	Create an account, see certain content, recalculate data using a particular algorithm, and perform other actions.
FR-4	Business Requirements	An Application allowing patient to identify Chronic kidney disease in around the time of 15 minutes.
FR-5	User Authentication	Challenges the user to validate credentials(for example, through Password)
FR-6	User Authorization	Once the server receives a request with authorization, it can verify your credentials and grant you access to the resources.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Users can easily traverse an application's interface when it is useful, and applications with high usability allow users to quickly understand what a feature is and what it can achieve.
NFR-2	Security	Safeguard sensitive information and secure databases to store patients' medical records.
NFR-3	Reliability	You can check the percentage of the probability of failure, or failure rate, to determine the reliability of a system.
NFR-4	Performance	Reducing overall load time of prediction and interactivity with user
NFR-5	Availability	Indicates the user's ability to access the system at some point
NFR-6	Scalability	Describes the ability to properly handle upbrining (and downgrade) workload