

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

Date	03 October 2022
Team ID	PNT2022TMID27324
Project Name	Project - 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	New user will register through Login form
FR-2	User Confirmation	Confirmation via Email or Mobile OTP
FR-3	User Requirements	User should have all the details required for the process
FR-4	Business Requirements	A System allowing patients to identify CKD in around time of 15 minutes with proper network connection
FR-5	User Authentication	Challenges the user to validate Credentials
FR-6	User Authorization	Once the server receives the request with correct authorization. It will 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	User can easily get into the System's UI and with high usability allows user to understand the purpose of the system and what it can achieve.
NFR-2	Security	Secured database are used to store patient's records
NFR-3	Reliability	You can check the percentage of accuracy and probability of failure rate to determine the reliability of System
NFR-4	Performance	Reducing overall load time of prediction even though in a poor network connection
NFR-5	Availability	Anytime the user can able to interact with the system and access at any point
NFR-6	Scalability	It can handle large amount of workload while maintaining optimal performance