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

Date	15 October 2022
Team ID	PNT2022TMID06876
Project Name	Early Detection of Chronic Kidney Disease
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	The user must login to the system using username and password to access it. For this purpose he has to register his account before logging in.
FR-2	User Confirmation	The confirmation to the user is providers by Confirmation via Email. Confirmation via SMS. Confirmation via call.
FR-3	User Requirements	The user must have a valid user name and password to access the content in the software. The software needs the user to have some knowledge about CKD.
FR-4	Business Requirements	A System allowing patients to identify CKD in around time of 15 minutes with proper network connection and basic clinical records without consulting doctors.
FR-5	User Authentication	Challenges the user to validate Credentials (Ex: Username and password)
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	User satisfaction	The system must stand up to the user expectation.
NFR-2	Security	During login the system checks the user ID for Authentication and authorization checking and scanning the user ID in the database therefore any authorized user can access it
NFR-3	Reliability	You can check the percentage of accuracy and probability of failure rate to determine the reliability of System.
NFR-4	Performance	The response time of operations such as prediction, storage etc. should be faster.

NFR-5	**Availability**	It is available during 24*7 .
NFR-6	**Scalability**	It can handle large amount of workload while maintaining optimal performance
NFR-7	**Safety**	The system should contain databases that include necessary information such as UserID , Clinical records, PhoneNumber etc. These databases should be maintained and backedup. Incase of any failure these backup comes in handy.