

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

Date	15 October 2022
Team ID	PNT2022TMID22283
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	New user will register through Login page
FR-2	User Confirmation	Confirmation via Email Confirmation via Mobile number
FR-3	User Requirements	Account has to be created go through the content and provide necessary data and perform other action
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 (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	<b>Usability</b>	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	<b>Security</b>	Secured database are used to store patient's records
NFR-3	<b>Reliability</b>	You can check the percentage of accuracy and probability of failure rate to determine the reliability of System.
NFR-4	<b>Performance</b>	Reducing overall load time of prediction even though in a poor network connection
NFR-5	<b>Availability</b>	Anytime the user can able to interact with the system and access at any point
NFR-6	<b>Scalability</b>	It can handle large amount of workload while maintaining optimal performance