

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

Date	15 October 2022
Team ID	PNT2022TMID31803
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 Form
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Requirements	A user friendly application that can detect the chronic kidney disease within a short period of time.
FR-4	Business Requirements	Must be available and be easily useable by all the people to stay put in the business Should be cost efficient.
FR-5	User Authentication	Password should be used to validate the credentials and also be maintained in a secure manner.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Proper use ability helps the users to understand the application easily and makes it a better application among the public.
NFR-2	<b>Security</b>	Keeps and maintains the medical records of the patients securely as it involves personal information.
NFR-3	<b>Reliability</b>	Failure can be prevented so that this application becomes more reliable
NFR-4	<b>Performance</b>	Provides user friendly application with good performance
NFR-5	<b>Availability</b>	Easily available to everyone even the people in rural areas
NFR-6	<b>Scalability</b>	To be able to change things.