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

Date	06 November 2022
Team ID	PNT2022TMID22216
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	In this, the user will enter his basic details like his/her name, age, etc.…..
FR-2	User Confirmation	The user will receive a confirmation like an OTP in his registered email address.
FR-3	User Requirements	We Create an account, and recalculate the data using a algorithm, and perform the necessary actions.
FR-4	User test vitals	The test vitals result of the users are entered as input which further detects the possibility of patient having disease or not.
FR-5	Business Requirements	The application must be feasible and it should enhance the trustworthy of patients/user's data.
FR-6	User feedback form	The user will give his feedback about the experience on the site and he/she also gives a overall Star Rating.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Security**	Authentication must be done thoroughly for security purpose and to avoid intruders.
NFR-2	**Usability**	The application should be user friendly. So that the user finds it attractive so that he/she accesses more features in it.
NFR-3	**Reliability**	You can check the percentage of the probability of failure, to determine the reliability of the system.
NFR-4	**Availability**	The Software should be always available for access.
NFR-5	**Performance**	The user must be able to get the results faster and he should be getting result eventhough he access it in a remote area.
NFR-6	**Scalability**	The software must be able to find the presence of other diseases also by changing simple user inputs.