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

Date	25 October 2022
Team ID	PNT2022TMID01191
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	Enters Mail ID and other personal details required for Registering.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP.
FR-3	User Requirements	Create an account, see certain content, recalculate data using a particular algorithm, and perform other actions.
FR-4	User test vitals	The test vitals result is entered as input which further detects the possibility of patient having disease or not.
FR-5	Business Requirements	Application allowing the patients/users to enter the data and it detects within a short span of time. Feasible and enhance the trustworthy of patients/user's data.
FR-6	User feedback form	Allows users to submit feedback through a form.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application software should be user friendly so many options should be selectable from drop down menu.
NFR-2	**Security**	Authentication is done for security process.
NFR-3	**Reliability**	You can check the percentage of the probability of failure, or failure rate, to determine the reliability of a system.
NFR-4	**Performance**	The user gets the results faster accessing the Application from remote location.
NFR-5	**Availability**	Software should be always available for access. It should execute graceful degradation.
NFR-6	**Scalability**	The software can be used for predicting other chronic disease also just by changing the inputs taken from the user.