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

Date	12 October 2022
Team ID	PNT2022TMID18040
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	Home Page	- Chronic kidney disease description - Information about test vitals required for prediction - If new user, **Register** - If already user exist, **Sign In**
FR-2	User Registration	Enters mail id and other personal details required for registering.
FR-3	User Login	User Mail id and Password for login
FR-4	Test vitals Form	Test vitals should be entered for prediction
FR-5	Result	- If positive - Test result along with the information about what is to be done next will be displayed. - If negative – Test result along with preventive measures to prevent themselves from getting chronic kidney disease will be displayed.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Simple user-friendly interface for communication.
NFR-2	**Security**	Safeguard the details shared by users and maintain Confidentiality.
NFR-3	**Reliability**	Diagnosis based on probability predicted by ML Model must be reliable.
NFR-4	**Performance**	Reduction in overall time taken for diagnosis
NFR-5	**Availability**	Available at any time to users from various places
NFR-6	**Scalability**	Needs to support numerous users at once.