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

Date	14 October 2022
Team ID	PNT2022TMID01656
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 order to become a new user, you will need to register through a form
FR-2	User Login	Users who already have credentials can log in with those credentials
FR-3	User Requirements	Past records can be stored in a database Create a report to indicate whether or not there is chronic kidney disease present A diagnostic remedy for the symptoms that you are experiencing
FR-4	User Entry	A form to be filled out in order to enter the results of pre-diagnostic tests
FR-5	Business Requirements	Diagnose CKD quickly with a quick blood test
FR-6	User Feedback	The user can submit feedback through a form on the website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Easy-to-use interface for communication that is user-friendly
NFR-2	**Security**	Maintain the confidentiality of the details that users share with you
NFR-3	**Reliability**	A ML model must be able to predict probabilities with sufficient accuracy to provide a reliable diagnosis
NFR-4	**Performance**	A reduction in the overall time it takes for a diagnosis to be completed
NFR-5	**Availability**	The service is available to users from various locations at any time
NFR-6	**Scalability**	A large number of users need to be supported at the same time