

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

Team ID	PNT2022TMID39247
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning

**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	<b>Usability</b>	Easy-to-use interface for communication that is user-friendly
NFR-2	<b>Security</b>	Maintain the confidentiality of the details that users share with you
NFR-3	<b>Reliability</b>	A ML model must be able to predict probabilities with sufficient accuracy to provide a reliable diagnosis
NFR-4	<b>Performance</b>	A reduction in the overall time it takes for a diagnosis to be completed
NFR-5	<b>Availability</b>	The service is available to users from various locations at any time
NFR-6	<b>Scalability</b>	A large number of users need to be supported at the same time