

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

Date	13 October 2022
Team ID	PNT2022TMID12688
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	Registration through Form for new users
FR-2	User Login	Login through credentials for existing users
FR-3	User Requirements	Store past records Generate report for presence of CKD Diagnostic remedies for symptoms
FR-4	User Entry	Input form for pre-diagnostic test results
FR-5	Business Requirements	Quick diagnosis for CKD
FR-6	User Feedback	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	<b>Usability</b>	Simple user-friendly interface for communication
NFR-2	<b>Security</b>	Safeguard the details shared by users and maintain confidentiality
NFR-3	<b>Reliability</b>	Diagnosis based on probability predicted by ML model must be reliable
NFR-4	<b>Performance</b>	Reduction in overall time taken for diagnosis
NFR-5	<b>Availability</b>	Available at any time to users from various places
NFR-6	<b>Scalability</b>	Needs to support numerous users at once