

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	October 2022
Team ID	PNT2022TMID31762
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 result
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	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