

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

Date	11 October 2022
Team ID	PNT2022TMID39471
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	Signing up via the login page
FR-2	User Confirmation	Email confirmation required Reassurance via OTP
FR-3	User Requirements	Create an account, access a certain piece of content, update data using a specific algorithm, and take other actions.
FR-4	Business Requirements	An application that enables users to quickly and accurately diagnose chronic kidney disease.
FR-5	User Authentication	asks the user to confirm their credentials (for instance, using a password).
FR-6	User Authorization	The server can validate your credentials and provide you access to the resources after it gets a request from you that has authorization.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	When an application's interface is usable, users can navigate it with ease, and users who use apps with high usability can immediately comprehend what a feature does and what it can do.
NFR-2	Security	Secure databases should be used to hold patient medical records and to protect sensitive information.
NFR-3	Reliability	To assess a system's dependability, look at its failure rate or chance of failure percentage.
NFR-4	Performance	lowering the total load time of prediction and user interaction
NFR-5	Availability	demonstrates the user's future access to the system. demonstrates the user's future access to the system.
NFR-6	Scalability	describes the capacity to manage increased (and decreased) workload.