

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

Date	03 October 2022
Team ID	PNT2022TMID19815
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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	User who have already registered can login
FR-4	User Entry	In order to enter diagnosis the patient is required to enter the pre diagnostic test results.
FR-5	Business Requirement	Diagnose CKD quickly using blood test
FR-6	User Feedback	The user can submit the feedback using the form given in the website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User Friendly interface which is used for communication.
NFR-2	Security	Confidentiality of the data given by the user is maintained properly.

NFR-3	Reliability	ML models must be able to predict probabilities with accuracy to provide correct diagnosis.
NFR-4	Performance	Takes less time for diagnosis
NFR-5	Availability	Users from different location can use this service
NFR-6	Scalability	A large number of users must be supported during the same time.