

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

Date	15 October 2022
Team ID	PNT2022TMID21262
Project Name	Early Detection of Chronic Kidney 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 Gmail
FR-2	User Verification	Confirmation via Email
FR-3	User Login	Login through Email
FR-4	User Help	Report issues through Email
FR-5	Disease prediction	User can predict the disease based on the valid inputs given by him/her

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	In terms of accuracy and efficiency, this project is the best for predicting kidney disease
NFR-2	Security	It is highly secured as there is separate user id and password to login
NFR-3	Reliability	It is reliable as it is user friendly and cost-efficient
NFR-4	Performance	In terms of time, this project is highly efficient as we have used very efficient algorithms like regression
NFR-5	Availability	Since it is web based one, it is available to those who have access to web
NFR-6	Scalability	If user demand increases, it can be scaled up easily as we made everything dynamic