

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

Date	03 October 2022
Team ID	PNT2022TMID39690
Project Name	Project – 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 Requirements	Login with user name and password If login credentials are matched , then allow access to the software, If they doesn't match deny access to the software.
FR-4	User Requirements	Display user data entry form.
FR-5	User Requirements	Receive data to be received from user.
FR-6	User Requirements	Receive data to be selected from user.
FR-7	User Requirements	Allow user to click on predict buttons.
FR-8	User Requirements	Display the final result of CKD or not to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The usability of the software should be user friendly.
NFR-2	Security	Users are asked to register and only registered users are allowed to login.
NFR-3	Reliability	The software should be tested for same inputs and check if the output is same.
NFR-4	Performance	The response should be done immediately without any delays.
NFR-5	Availability	The software should be accessible all the time.
NFR-6	Scalability	This must be useful in predicting other disease even just by changing inputs.