

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

Date	03 October 2022
Team ID	PNT2022TMID02261
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 Forms by filling Email ID and Password
FR-2	User Confirmation	Confirmation via verifying Email OTP
FR-3	User Requirements	Will have Records of Existing Users Generates a Report Will suggest remedies or to visit a physician for CKD
FR-4	User Entry	Dashboard with Generate New Report, History, and Answers for their queries.
FR-6	Business Requirements	Quick diagnosis for CKD
FR-6	User Feedback	After results have been published the User will be prompted to fill the feedback form and also queries solver.

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	Email verification and Password Encryption.
NFR-3	Reliability	Reliability depends on the data entered by the User.
NFR-4	Performance	Whichever ML algorithm gives highest accuracy (Random Forest) .
NFR-5	Availability	Application will be accessible to Everyone with an Internet and Browser.
NFR-6	Scalability	Needs to support numerous users at once