

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

Date	15 October 2022
Team ID	PNT2022TMID53276
Project Name	Project - Early Detection of Chronic Kidney Diseases 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 Mobile Number Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Requirements	Account creation and log in, Data entry and additional activities
FR-4	Business Requirements	A website to predict chronic kidney diseases based on symptoms with good accuracy
FR-5	User Authorization	Credentials verified by the server and entry is granted to the user into the portal

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface is user friendly
NFR-2	Security	System enforces security mechanisms to prevent theft of data
NFR-3	Reliability	Accurate and reliable results produced using the given data
NFR-4	Performance	System is scalable, less buffer time, software and hardware used are optimal
NFR-5	Availability	System is available and can be accessed by users whenever they need. Availability is not influenced by Denial or service or loss of data processing capabilities
NFR-6	Scalability	the website can be scaled to fulfil additional requirements and the system doesn't shut down due to increased number of users.