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

Date	29 October 2022
Team ID	PNT2022TMID22069
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	Collecting dataset	Data is important for Machine Learning. we need the dataset to train the machine
FR-4	Clean Dataset	Once the dataset is collected the data should be analysed because some of the values being missed
FR-5	Model Creation	The results showed that Random Forest Classifier Model predicts Chronic Kidney Disease(CKD).
FR-6	Application Building	Building Web pages Building Server-Side Script

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is used to understand and analyze the data
NFR-2	Security	Secured data in cloud database
NFR-3	Reliability	Predefined datasets
NFR-4	Performance	Random Forest Classifier predicts Well
NFR-5	Availability	User Friendly Application
NFR-6	Scalability	Depends upon the data given by the user