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

Date	30 October 2022
Team ID	PNT2022TMID14357
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	Requirements	Dataset, pre-processing, features selection, classification is required
FR-4	Prediction	Machine Learning algorithms are used for early detection of CKD
FR-5	Classifier	The Model will send the produced output to classifier which helps to produce accurate results

Non-functional requirements:

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

FR No.	Non-functional requirements	Description
NFR-1	**Usability**	It is required to evaluate the website by testing with the representative users
NFR-2	**Security**	To check whether the vulnerabilities are uncovered in the model
NFR-3	**Reliability**	It helps to solve issues in the software design and the functionality of the model
NFR-4	**Performance**	The performance testing is to check whether the model is returning the expected outcomes
NFR-5	**Availability**	The availability should be valid for the end-users to access the resource
NFR-6	**Scalability**	It measures the performance when the number of user requests fluctuates