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

Date	03 October 2022
Team ID	PNT2022TMID48762
Project Name	Project – Early Detection of Chronic Kidney Disease
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
FR-2	**User Confirmation**	• Confirmation via Email
FR-3	**User Login**	• User Login via Form
FR-4	**Forgot Password**	• Send OTP via Email
FR-5	**Data Inputs**	• Get the input data from the user. • Upload the data to test the solution.
FR-6	**Print Result**	• Perform operations on the input data and predict the result. • Print the result 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 proposed solution must be user friendly and should be understandable for everyone who uses it.
NFR-2	**Security**	The proposed solution must ensure security. It is the developer's responsibility to maintain and safeguard the sensitive data provided by the user.
NFR-3	**Reliability**	The proposed solution must be reliable in performing the task as it could create confusion in person's health. The delivered solution must be reliable and accurate in predicting chronic kidney disease.
NFR-4	**Performance**	An eye has to be kept on the performance of the solution developed. The solution must perform efficiently even in critical situations.
NFR-5	**Availability**	The proposed solution should be accessible to the user at any point of time.
NFR-6	**Scalability**	The proposed solution should have the ability to handle increasing or decreasing workloads without performance degradation.