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

Date	03 October 2022
Team ID	PNT2022TMID35730
Project Name	Project - 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	Users are supposed to register themselves by filling the required details in the Registration Form.
FR-2	User Confirmation and Login	Users are allowed to login only if the details entered match with the details in the record only after confirmation through email during the first login.
FR-3	System Navigation	Users should be able to access their profile to view, edit and update details.
FR-4	Diagnosis Details entry	The user should be guided correctly while entering the required details for correct diagnosis.
FR-5	Diagnosis result	After diagnosis, the user should be provided with the result and suggested with further decisions to be taken.
FR-6	Customer Care Support	All user queries should be addressed as soon as possible and complete guidance should be provided to the users.
FR-7	System Updates	Administrator should be able to easily make the necessary changes to improve the system sensitivity.
FR-8	Database Maintenance	All the data records and the trained models should be efficiently handled by the administrator.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User friendly system with well-organized Graphical User Interface for easy communication.
NFR-2	**Security**	Code and corresponding data are secured and the user details are kept confidential.
NFR-3	**Reliability**	Diagnosis Result is given after training, testing the model using past records and is very much reliable.
NFR-4	**Performance**	The diagnosed result should be analysed efficiently and displayed as soon as possible.
NFR-5	**Availability**	The system should be available to users from anywhere with the help of internet and a suitable device.
NFR-6	**Scalability**	The system should be able to handle multiple users without any interruptions.