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

Date	12 October 2022
Team ID	PNT2022TMID27851
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	Home page	• Chronic Kidney disease description • Symptoms of the disease • A button that takes user to the next page
FR-2	User Entry	• Input form for pre-diagnostic test results • The user enter the required data for testing purpose
FR-3	Analyze	• The data entered by the user has to be analyzed with the existing data set.
FR-4	Result	• If Positive – Test Result along with the Information about what is to be done next will be displayed. • If Negative – Test result along with preventive measures to prevent themselves from getting Chronic Kidney disease will be displayed.
FR-5	Feed back	• Allows users to submit feedback through a form

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• Its is user friendly for illiterates and people with no understanding of computer,mobile should be able to use the product.

NFR-2	**Security**	• the details shared by users and maintain confidentiality • the information not shared to others
NFR-3	**Reliability**	• The database update process must roll back all related updates when any updates fails.
NFR-4	**Performance**	• Reduction in overall time taken for diagnosis • The Home-page load time must be no more than 2 seconds
NFR-5	**Availability**	• Available at any time to users from various places without any restriction
NFR-6	**Scalability**	• Multiple users can use the website at the same time without traffic limit.