

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	<ul style="list-style-type: none">Chronic Kidney disease descriptionIf new User , REGISTERIf Already exist, SIGN IN
FR-2	User registration	<ul style="list-style-type: none">Enters Mail ID and other personal details required for Registering.
FR-3	User login	<ul style="list-style-type: none">Uses Mail ID and Password for login
FR-4	User Entry	Input form for pre-diagnostic test results
FR-5	Result	<ul style="list-style-type: none">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-6	Feed back	<ul style="list-style-type: none">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	<ul style="list-style-type: none">Its is user friendly for illiterates and people with no understanding of computer, mobile should be able to use the product.

NFR-2	Security	<ul style="list-style-type: none"> the details shared by users and maintain confidentiality the information not shared to others
NFR-3	Reliability	<ul style="list-style-type: none"> The database update process must roll back all related updates when any updates fails.
NFR-4	Performance	<ul style="list-style-type: none"> Reduction in overall time taken for diagnosis The Home-page load time must be no more than 2 seconds
NFR-5	Availability	<ul style="list-style-type: none"> Available at any time to users from various places without any restriction
NFR-6	Scalability	<ul style="list-style-type: none"> Multiple users can use the website at the same time without traffic limit.