

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

Date	03 October 2022
Team ID	PNT2022TMID32547
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	HomePage	<ul style="list-style-type: none">Chronic Kidney disease descriptionInformation about Test Vitals required for predictionIf 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	Test Vitals Form	<ul style="list-style-type: none">Test Vitals should be entered for prediction
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.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It describes the context Who,What,When,Where and Why. The specific activities the requirements describe should reflect the both range of goal that the system must support and business goals for creating new system.
NFR-2	Security	Security functionality that ensures one of many different security properties of software is being satisfied.Security requirements are derived from industry standards,applicable laws,and a history pf past vulnerabilities.

NFR-3	Reliability	It is the measure of the stability or consistency of the test score
NFR-4	Performance	It defines how well the software system accomplishes certain functions under specific condition.
NFR-5	Availability	It defines how long the IT system can be unavailable without impacting operations.
NFR-6	Scalability	It is the measure of a system ability to increase or decrease in performance and cost in response