

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

Date	12 October 2022
Team ID	PNT2022TMID18040
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 descriptionInformation about test vitals required for prediction
FR-2	Test vitals Form	<ul style="list-style-type: none">Test vitals should be entered for prediction
FR-3	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	Simple user-friendly interface for communication.
NFR-2	Security	Safeguard the details shared by users and maintain Confidentiality.
NFR-3	Reliability	Diagnosis based on probability predicted by ML Model must be reliable.
NFR-4	Performance	Reduction in overall time taken for diagnosis
NFR-5	Availability	Available at any time to users from various places
NFR-6	Scalability	Needs to support numerous users at once.

