

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

Date	03 October 2022
Team ID	PNT2022TMID21077
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">The home page has a description of the chronic kidney disease
FR-2	Prediction form	<ul style="list-style-type: none">It has a form, where the user is asked to enter the required values to predict the disease
FR-3	Result Page	<ul style="list-style-type: none">Positive (Chronic kidney disease detected)Negative (no chronic kidney disease)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly interface for communication
NFR-2	Reliability	Diagnosis based on probability predicted by ML
NFR-3	Performance	Reduction in overall time taken for diagnosis
NFR-4	Availability	Available at any time to users from various places
NFR-5	Scalability	Needs to support numerous users at once