

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

Date	06 October 2022
Team ID	PNT2022TMID48683
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	User Registration	Registration through Google account Registration through Google forms
FR-2	User Confirmation	Confirmation via Google
FR-3	User Medical Data	Amount of blood sugar, Blood urea, Coronary Disease, Pus cells, Petal edema, Diabetes mellitus, Red blood cells, Anemia
FR-4	User Payment options	Gpay, Phonepe, Net banking for payments to the developer and product level basis of this project

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The usability of the project is easy and user friendly environment to the user to interact with it
NFR-2	Security	The data of users are well preserved and there is no any other third parties to gather the information of user
NFR-3	Reliability	User can use the product across any platform in the market
NFR-4	Performance	The performance of the machine learning model used to predict the disease is much accurate
NFR-5	Availability	It can available on global level market and also in all medical devices and non-medical devices to predict the disease
NFR-6	Scalability	In the future we can develop the model and user interface of our product to enhance the functionality and parameters. Medical parameters are added further to predict much more other disease