PROJECT DESIGN PHASE-II

SOLUTION REQUIREMENTS

Date	11 October 2022
Team ID	PNT2022TMID15455
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 Form Registration through Gmail.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Phone number.
FR-3	Capturing image	Capture the image of the kidney by using Radioactive material and check the parameter of the scanned image.
FR-4	Capturing image	Upload the image for the prediction of the disease in the kidney.
FR-5	Kidney Identification	Identify the kidney and predict the disease in the kidney.
FR-6	Image Description	Suggestion the best method for diagnosing the disease.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Datasets of all the kidney is used to find the disease that present in the kidney.
NFR-2	Security	The information belongs to the user and kidney are secured highly without vulnerable to the malicious users.
NFR-3	Reliability	The dataset collected on the kidney should be important for predicting the disease in the kidney.
NFR-4	Performance	Performance is based on the collected dataset which is used for disease prediction.
NFR-5	Availability	It is available for all the user who tend to predict the disease in the kidney.
NFR-6	Scalability	Increasing the analysis range for the prediction of disease in the kidney.