

Early Detection Of Chronic Kidney Disease Using Machine Learning.

Ideation Phase **Define the Problem Statements**

Date	18 th October 2022
Team ID	PNT2022TMID39626
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning.
Maximum Marks	2 Marks

The main aim is to detect the detection efficiency that would be beneficial for the patients who are suffering from chronic kidney disease and to prevent at early stages to reduced the effects of CKD.

Chronic Kidney Disease(CKD) is a condition in which the kidneys are damaged and cannot filter blood as they always do.This is a lasting damage to the kidney and chances of getting worser by time is high.The very common complications that results due to a kidney failure are heart diseases, anemia, bone diseases, high potasium and calcium.

The worst case situation leads to complete kidney failure and necessitates kidney transplant to live. An early detection of Chronic Kidney Disease can improve the quality of life to a greater extent. This calls for good prediction algorithm to predict CKD at an earlier stage .

The techiques used in the problems are KNN, Naïve Bayes, Logistic Regression.This uses data pre-processing, data transformation and various classifiers to detect Chronic Kidney Disease and also proposes best detection framework for Chronic Kidney Disease.