

Project Objectives

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Project Name	Early detection of Chronic Kidney Disease using Machine Learning
Team ID	PNT2022TMID39690

Project Objectives:

Chronic Kidney Disease is one of the most critical illness now a days and proper diagnosis is required as soon as possible. Machine learning technique has become reliable for medical treatment. With the help of a machine learning classifier algorithms, the doctor can detect the disease on time. For this perspective, Chronic Kidney Disease prediction has been discussed in this article.

Chronic kidney Disease (CKD) means your kidneys are damaged and not filtering your blood the way it should. The primary role of kidneys is to filter extra water and waste from your blood to produce urine and if the person has suffered from CKD, it means that wastes are collected in the body. There are many causes for CKD like diabetes, high blood pressure, heart disease. If your kidney is not working, then you may notice one

or more symptoms like abdominal pain, back pain, diarrhea, fever, nosebleeds, rash, vomiting. There are two main diseases of CKD: (i) diabetes

(ii) high blood pressure .

So that controlling of these two diseases is the prevention of CKD. There are few diagnostic tests to check the condition of CKD: (i) estimated glomerular filtration rate(eGFR)

(ii) urine test

(iii) blood pressure.