

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID04324
Project Name	Project - Early Detection of Chronic Kidney Disease using Machine Learning
Maximum Marks	2 Marks

Problem Statement Template:

Chronic kidney disease (CKD) means your kidneys are damaged and can't filter blood the way they should. The disease is called "chronic" because the damage to your kidneys happens slowly over a long period of time. This damage can cause wastes to build up in your body. CKD can also cause other health problems.

Kidney diseases are more prevalent among many age groups of people ranging from young kids to aged people. Chronic kidney disease (CKD) is a common condition and it is often unrecognized until the most advanced stage.

As kidney disease advances, dangerous levels of waste can rapidly build up inside the body. Treatments aim at reducing and slowing down the progression kidney dysfunction by controlling the actual cause.

Main causes of CKD include diabetes, high blood pressure, Glomerulonephritis, inherited diseases, auto immune diseases etc. Some times the doctors also check for the family history of kidney diseases if any.

If you are a member of the African-American, American Indian, or Asian American races, you are at higher risk for chronic kidney disease. Those people should always have regular kidney check-ups.

I am	The customer group here includes the people who are affected with chronic kidney disease (CKD). People with high blood pressure, diabetes are most likely to be affected with CKD.
I'm trying to	The people affected with CKD are concerned more about getting cured at early stages itself without making things complicated. They aim at getting best treatment with cost effective methods and preventing further damages to their kidneys.
But	Some people are not aware of CKD and it does not show any early symptoms, even if people notice some abnormalities, they neglect them. Hence only after getting their medical tests they come to know that they have CKD. Some

	<p>medical tests are also expensive because of which people belonging to different economies are not able to afford.</p>
Because	<p>The main reason is that people are unaware of the symptoms and the disease. Hence, it becomes difficult for people to get cured at earlier stages itself and this becomes a root cause for not being able to detect at early stages.</p>
Which makes me feel	<p>As a result, people feel anxious and insecure about their health conditions and after knowing that they are affected with CKD the must take appropriate treatment to suppress the progression of this disease. So, it is better if people get to know about their health conditions at early stages itself.</p>