Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID19815
Project Name	Early Detection Of Chronic Kidney Disease
Maximum Marks	2 Marks

PROBLEM STATEMENT

       Chronic Kidney Disease(CKD) is increasingly recognized as a global public problem.There is now convincing evidence that CKD can be detected using simple laboratory tests, and that treatment can prevent or delay complications of decreased kidney function, slow the progression of kidney disease, and reduce the risk of cardiovascular disease (CVD).IT is a major medical problem and can be cured if treated in the early stages. Usually, people are not aware that medical tests we take for different purposes could contain valuable information concerning kidney diseases. Consequently, attributes of various medical tests are investigated to distinguish which attributes may contain helpful information about the disease. The information says that it helps us to measure the severity of the problem and we make use of such information to build a machine learning model that predicts Chronic Kidney Disease.

Who does the problem affect?	People with Diabetes,High Blood Pressure,Heart Disease are at risk of getting CKD.Studies have shown that obesity,smoking,family history and older age are the major

	contributors of CKD.
What are the boundaries of the problem?	People with end stage CKD cannot be treated as their kidney are getting very close to faliure or have already failed.Those people are close to death and in some cases kidney transplant are opted.
What is the issue?	CKD is a condition in which the kidneys are damaged and cannot filter blood as well as they should. Because of this, excess fluid and waste from blood remain in the body and may cause other health problems, such as heart disease and stroke.
When does the issue occur?	If a person's kidney has been degraded from the past due to its mutation in its cell then chronic kidney disease occur.
Where does the issue occur?	This issue occur in the kidney of the patient.
Why it is important to fix the issue?	The people with this is issue is on the verge of the death.With the early prediction of CKD we can improve the patient;s quality of life.
What solution to solve this problem?	Software is developed to identify the symptoms of CKD from the patient;s database and can be used to follow the correct treatment to improve their quality of life.
What methodology is used to solve	Machine Learning algorithm is used

the issue?	to predict the symptoms and to determine the correct source of treatment.

I am	I'm trying to	But	Because	Which makes me feel
a CKD patient	a device to predict the severity of the problem	the device is not predicting correctly	it take lot of time	anxious

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