IDEATION PHASE

PROBLEM STATEMENT

DATE	20 September 2022
TEAM ID	PNT2022TMID25893
PROJECT NAME	Early Detection of Chronic Kidney Disease using Machine Learning
MAXIMUM MARKS	2 Marks

PROBLEM DEFINITION:

1.Continuous increase in the number of patients with end-stage renal disease demands early detection of chronic kidney disease (CKD). The goal is to diagnose CKD in its earliest stages in a randomly selected population using a diagnostic algorithm developed by the working group.

2.The major problem that we are facing is that lack of capacity to implement huge datasets at the same time and most of the algorithms fail for the real time prediction. Some traditional algorithms were used here, it gets more duration to category and classifies the give data set. Due to this, it becomes not accurate and flexible.

I am	I'm trying to	But	Because	Which makes me feel
Medical Researcher	estimate the prevalence, evaluate the risk factors of kidney diseases and determine the association between early kidney disease and its risk factors	it is difficult to categorize and classify the data	algorithm cannot handle large number of datasets and also, the number of features considered are minimal	to work on large datasets and more number of features for earlier prediction