

Ideation Phase

Define the Problem Statements

Date	18 October 2022
Team ID	PNT2022TMID13778
Project Name	Project - EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING
Maximum Marks	2 Marks

PROBLEM STATEMENT:

Chronic kidney disease occurs due to improper functioning of kidneys. Diabetes, high blood pressure and several heart disease problems which causes chronic kidney disease are taken as primary features. Detection of chronic kidney disease in early stage is a challenging task because there are no early-stage symptoms to be seen, so when kidney disease worsens, we could see more waste built up in your blood which may result in many complications like nerve damage, high blood pressure and anaemia. Diabetes and high blood pressure are responsible for two-thirds of chronic kidney disease. Chronic kidney disease could affect any human being irrespective of age. Most importantly person with a family history of kidney failure is more prone to this disease. At early stage of chronic kidney disease there won't be severe symptoms at start later on we could notice trouble sleeping, swollen feet and urinate more often especially at night. Chronic kidney disease gets worse over time which can progress to kidney disease. Often this disease could be predicted in later stage. Medical researchers use Urine and blood sample to detect the chronic kidney disease at much earlier rate.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Patient	Diagnose CKD	In this situation, it is not feasible.	Low feasibility for elder people.	Disappointed
PS-2	Medical Executive	Treat CKD	In this situation, it is not feasible.	Uncalculated risks found due to missing value	Disappointed