

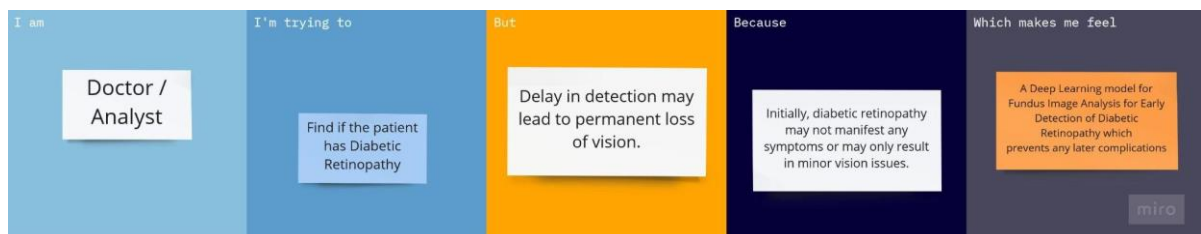
Ideation Phase

Define the Problem Statements

Date	25 September 2022
Team ID	PNT2022TMID12981
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning.
Maximum Marks	2 Marks

Early Detection of Chronic Kidney Disease using Machine Learning:

A Chronic Kidney Disease (CKD) condition that impacts the Kidney. Chronic kidney disease, also known as chronic renal disease or CKD, is a condition characterized by a gradual loss of kidney function over time. The likelihood of dying young is increased for those with CKD. Chronic kidney disease includes conditions that damage your kidneys and decrease their ability to keep you healthy by filtering wastes from your blood. Deep learning is a key component in Glomerulonephritis to diagnose critical disorders like large cysts to form in the kidneys. It is challenging for doctors to identify the various conditions that are connected to CKD at an early stage. In order to prevent the condition, using Recursive Feature Elimination can be the most crucial characteristics thus included Hemoglobin, Specific Gravity, Serum Creatinine, Red Blood Cell Count, Albumin, Packed Cell Volume, and Hypertension. These factors are considered for the objective of classifying data and specific features were provided to machine learning models. Analysts are responsible for manually detecting exudates, which takes time.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Doctor / Analyst	Find if the patient has CKD	Delay in detection may lead To Kidney Failure	Initially, symptoms may only result in inflammation issues.	Using a hybrid model that perfectly unites different computations, processes, different spaces of data or areas of usage fully intended to enhance each other thus providing with efficient predicting mechanism.