IBM PROJECT
EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING
IDEATION PHASE (WEEK-4)

TEAM ID: PNT2022TMID04324

TOP THREE PRIORITIZED IDEAS: -

1. The idea is that we can use a feature embedding method based on implementation of the Word2Vec algorithm to identify the temporal information for the three main components of the data which includes diagnosis, procedures, and medications. For the analysis part, we can use the gradient boosting tree algorithm (XGBoost Algorithm).

2. Traditional diagnostic tools are believed to me much more accurate and efficient, hence there will not be any misconceptions regarding the accuracy and it will also be more reliable.Statistically analyzing the collected data using the visualization tools will help us to get more accurate results.

3. Creating awareness among the public regarding the chronic kidney disease which often occurs without any symptoms and it is also almost asymptomatic in nature. It is also observed from the patients' records that almost two-third of CKD occurs due to diabetes and high blood pressure. So aged people must take up regular health check-ups and maintain their sugar and BP levels.