IBM PROJECT

EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING

IDEATION PHASE (WEEK-4)

TEAM ID: PNT2022TMID10811

TOP THREE PRIORITIZED IDEAS: -

1. The theory is that we may identify the temporal information for the three major components of the data, which comprise diagnoses, procedures, and medications, by using a feature embedding method based on the application of the Word2Vec algorithm. We can use the gradient boosting tree technique for the analysis part (XGBoost Algorithm).
2. Traditional diagnostic techniques are thought to be far more dependable and accurate, so there won't be any misunderstandings about their efficacy. We'll receive more precise findings if we statistically analyse the collected data using the visualisation tools.
3. Educating the general public about chronic kidney disease, which frequently occurs asymptomatically and has a nearly asymptomatic character, The patient records also show that diabetes and high blood pressure are responsible for nearly two-thirds of cases of CKD. Therefore, elderly adults need to manage their blood pressure and sugar levels and participate in routine health checks.