PROBLEM STATEMENT

Chronic Kidney Disease is a dangerous illness that, if detected in time, can be cured. The natural activities of the kidneys are affected by chronic renal disease, which also destroys the kidneys. It is one of the most prevalent diseases in the world, and predicting it is one of the fundamental problems in medical diagnostics. One of the top causes of death globally is chronic renal disease. In terms of health and treatment expenses, early diagnosis of this disease is crucial.

Early diagnosis and appropriate care may be able to prevent or slow the progression of this chronic illness to the point at which dialysis or a kidney transplant are the only options left for saving the life of patients. Most people aren't aware that the many medical tests we have for different reasons could tell us crucial things about kidney diseases. Because of this, traits of Overall results of many medical tests are evaluated to see which traits may include useful information regarding the illness. The main objective of the project can more quickly and reliably determine if a patient has chronic renal disease by diagnostic information such as Age, Blood pressure, Density, glucose level and parameters etc..Here, we are examining the ability of different machine learning techniques for early prediction of chronic kidney disease.

Chronic kidney disease symptoms frequently don't show up until the problem has progressed to an advanced stage where kidney function has been severely compromised. However, with the help of our project, we can determine if a person is actually in danger of developing CKD or not, even if no symptoms have been identified.