EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING

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PROBLEM STATEMENT

Chronic Kidney Disease(CKD) involves gradual loss of kidney function.CKD includes conditions that damage and destabilize the kidney and its ability to filter wastes from blood. Failing to treat CKD may lead to serious health problems that may include anemia,nerve damage,etc.

CKD has no symptoms in the early stages.Elder people are more prone to CKDs and must be tested regularly.Undiagnosed CKD may go on to rupture the kidney causing renal failure.

CKD needs to be diagnosed at early stages to cure it with the best possible means.
The existing methodology for diagnosing CKDs is using urine and blood tests.When the reports from these tests are not good enough,CT,MRI scans are used for checking the functioning of the kidney.

A better testing method which could possibly detect CKD in the early stages would be much more useful.Medical test results taken for other purposes are used to detect CKD at early stages.Peculiar and contributing attributes from the above mentioned test results are combined to develop a Machine Learning Model.This Machine Learning Model will be used to predict CKDs rather early than the presently existing methods.