**EARLY DETECTION OF CHRONIC KIDNEY DISEASE**

Early Detection of Chronic Kidney Disease using Machine Learning

**PROJECT OBJECTIVE:**

Chronic Kidney Disease (CKD) is a major medical problem and can be cured if treated in the early stages. Usually, people are not aware that medical tests we take for different purposes could contain valuable information concerning kidney diseases. Consequently, attributes of various medical tests are investigated to distinguish which attributes may contain helpful information about the disease. The information says that it helps us to measure the severity of the problem and we make use of such information to build a machine learning model that predicts Chronic Kidney Disease

Chronic Kidney Disease prediction is one of the most important issues in healthcare analytics. The most interesting and challenging tasks in day-to-day life is prediction in medical field. 10% of the population worldwide is affected by chronic kidney disease (CKD), and millions die each year because they do not have access to affordable treatment. Chronic kidney Disease can be cured, if treated in the early stages. The main aim of this project is to predict whether the patient have chronic kidney disease or not, in more accurate and faster way based on certain diagnostic measurements like Blood Pressure (Bp), Albumin(Al).

**Social Impact:** The main aim of this application is early prediction and proper treatments can possibly stop or slow the progression of this disease to end stage.

**Business Model/Impact:**

Can generate revenue through direct customers.

Can collaborate with health care sector and generate revenue from their customers.