**Early Detection of Chronic Kidney Disease**

**Using Machine learning**

**PROBLEM STATEMENT:**

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.

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| Who does the problem affect? | Persons who have diabetics, high BP, obesity, family history of kidney disease. |
| What are the boundaries of the problem? | Decreased GFR  GFR <60 ml/min/1.73m.sq |
| What is the issue? | CKD means kidneys are damaged and can’t filter blood the way they should. |
| When does the issue occur? | If kidney function drops below 15% of normal, it said to be kidney failure. |

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| Why is it important that we fix the problem? | The health of the person is very important , so that predicting the kidney disease earlier helps to take necessary medical action before it gets severe. |
| What solution to solve this issue? | An automated system is introduced to identify that there is a chance for a person getting affected by the chronic kidney disease. |
| What methodology used to solve the issue? | Machine learning technique is used to predict that a person will be affected by kidney disease or not. |