

# **PROJECT OBJECTIVES**

**Date** : 25 Nov 2022

**Project Name** : Early Detection Of Chronic Kidney Disease Using Machine Learning

**Team ID** : PNT2022TMID22283

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Chronic kidney disease is a condition characterized by a gradual loss of kidney function over time. It is also known as chronic renal disease or CKD. This condition damages your kidneys and decrease their ability to filter wastes from your blood. If this condition worsens, wastes can build to high levels in your blood and make you feel sick. Following complications could occur due this disease:

- high blood pressure
- anemia (low blood count)
- weak bones
- poor nutritional health
- nerve damage

Therefore early detection and treatment is required to keep this disease from getting worse. The objective of this project is to detect the chronic kidney disease using attributes from various medical tests. Attributes 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.