

## Project Design Phase-I Solution Architecture

Date	06/10/2022
Team ID	PNT2022TMID33248
Project Name	Early Detection Of Chronic Kidney Disorder using Machine Learning
Maximum Marks	4 Marks

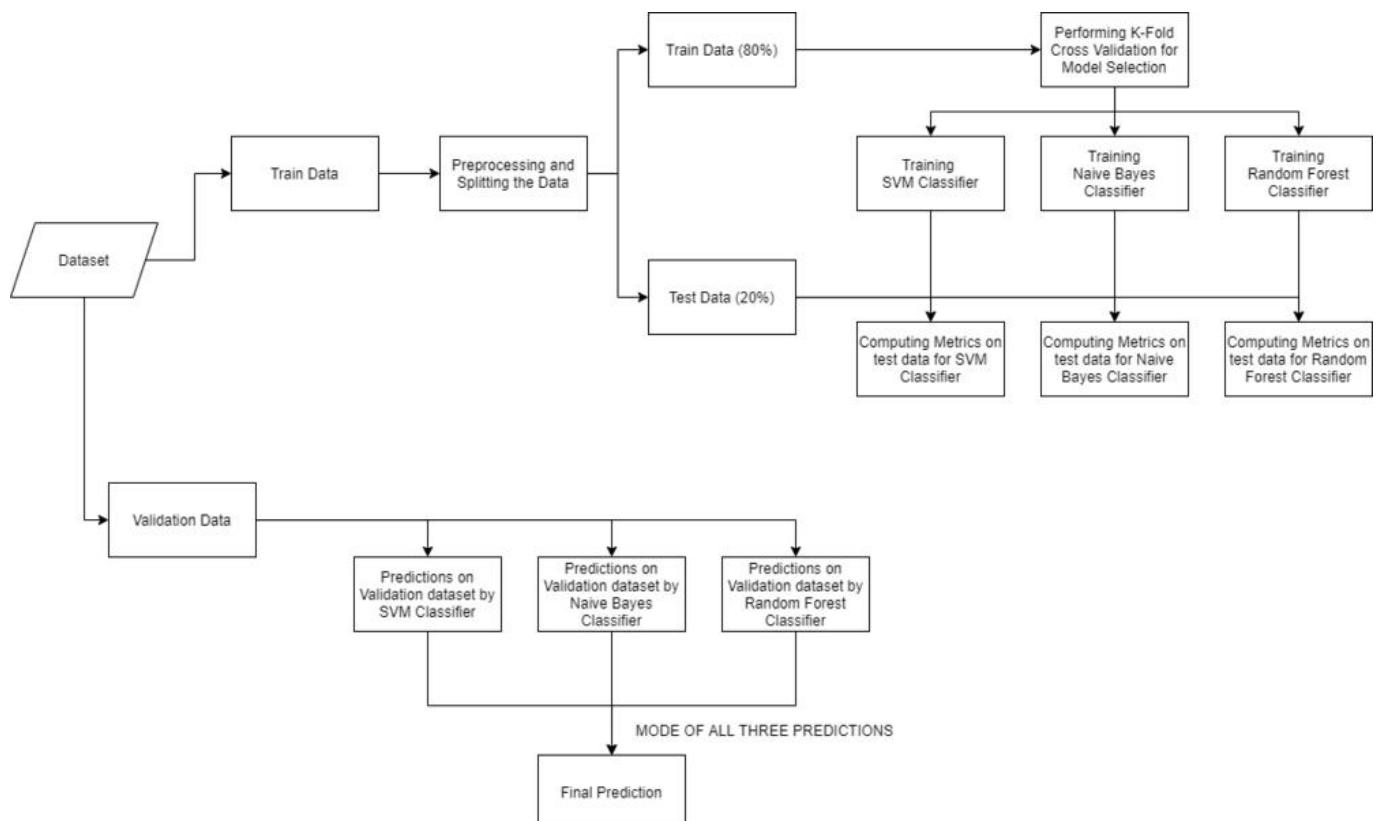
### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions.

Our solutions are,

- To provide a prediction algorithm to predict Chronic Kidney Disorders at an early stage..
- The dataset shows input parameters collected from the CKD patients and the models are trained and validated for the given input parameters.
- Decision tree, Random Forest and Support Vector Machine learning models are constructed to carry out the diagnosis of CKD.
- The performance of the models are evaluated based on the accuracy of prediction.

### Solution Architecture Diagram:



## OVERALL ARCHITECTURE

