Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID35730
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning Techniques
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S. No.	Parameter	Values	Screenshot
1.	Metrics	**Classification Model:** Confusion Matrix - , Accuracy Score- & Classification Report -	Training Accuracy of Final Ensemble Model is 100.0 Test Accuracy of Final Ensemble Model is 100.0 Confusion Matrix :- [[44 0] [0 76]] Classification Report :- precision recall f1-score support 0 1.00 1.00 1.00 44 1 1.00 1.00 1.00 76 accuracy 1.00 120 macro avg 1.00 1.00 1.00 120 weighted avg 1.00 1.00 1.00 120

2.	Tune the Model	Hybrid Model Building	In [75]:
			`from sklearn.ensemble import VotingClassifier`
			`vot_reg = VotingClassifier(estimators=[('adaboost', ada), ('gradientboost', gb), ('extratree', etc)], voting='hard')`
			
			In [76]:
			`vot_reg.fit(X_train, y_train)`
			
			Out[76]:
			`VotingClassifier(estimators=[('adaboost',`
			`AdaBoostClassifier(base_estimator=DecisionTreeClassifier(max_depth=10,`
			`max_features='auto',`
			`min_samples_split=3,`
			`splitter='random'))),`
			`('gradientboost', GradientBoostingClassifier()),`
			`('extratree', ExtraTreesClassifier())])`