
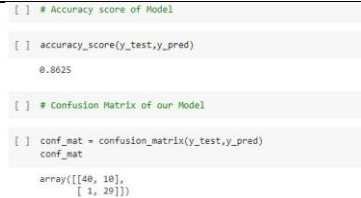


## Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID39435
Project Name	Project – chronic kidney disease analysis using Machine Learning
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	<b>Regression Model:</b> MAE - , MSE - , RMSE - , R2 score -  <b>Classification Model:</b> Confusion Matrix - , Accuray Score- & Classification Report -	 <pre> [38] From sklearn.metrics: from sklearn.metrics import mean_squared_error  [47] metrics.r2_score(y_test,y_pred) 0.6011396011396011  [45] np.sqrt(mean_squared_error(y_test,y_pred)) 0.2958039891549808  [46] print('R_squared:',metrics.r2_score(y_test,y_pred)) print('MSE:',mean_squared_error(y_test,y_pred)) print('RMSE:',np.sqrt(mean_squared_error(y_test,y_pred)))  R_squared: 0.6011396011396011 MSE: 0.8675 RMSE: 0.2958039891549808 </pre>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <pre> [ ] # Accuracy score of Model  [ ] accuracy_score(y_test,y_pred) 0.8625  [ ] # Confusion Matrix of our Model  [ ] conf_mat = confusion_matrix(y_test,y_pred) conf_mat  array([[40, 10],        [ 1, 29]]) </pre>