

Project Development Phase
Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID49528
Project Name	Efficient Water Quality Analysis and Prediction 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	Model Evaluation: MAE : 1.0140200501253205 MSE : 5.786707157894741 RMSE : 2.405557556554143 R2 score : 0.9684566685516488	Model Evaluation <pre>[] from sklearn import metrics print('MAE:',metrics.mean_absolute_error(y_test,y_pred)) print('MSE:',metrics.mean_squared_error(y_test,y_pred)) print('RMSE:',np.sqrt(metrics.mean_squared_error(y_test,y_pred)))</pre> MAE: 1.0140200501253205 MSE: 5.786707157894741 RMSE: 2.405557556554143 <pre>[] metrics.r2_score(y_test, y_pred)</pre> 0.9684566685516488 . . .

2.	Tune the Model	<p>Validation Method :</p> <p>Testing Accuracy</p> <p>0.9684566685516488</p>	<p>Model Evaluation</p> <pre>[] from sklearn import metrics print('MAE:',metrics.mean_absolute_error(y_test,y_pred)) print('MSE:',metrics.mean_squared_error(y_test,y_pred)) print('RMSE:',np.sqrt(metrics.mean_squared_error(y_test,y_</pre> <p>MAE: 1.0140200501253205 MSE: 5.786707157894741 RMSE: 2.405557556554143</p> <pre>[] metrics.r2_score(y_test, y_pred)</pre> <p>0.9684566685516488</p>
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