Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID592324	
Project Name	Project - Detection of Autistic Spectrum	
	Disorder	
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.	Model Summary (Models Used)	-Random forests	<pre>[] from sklearn.ensemble import RandomForestClassifier model2 =RandomForestClassifier(criterion='entropy') model2.fit(X_train,y_train) RandomForestClassifier RandomForestClassifier(criterion='entropy') [] r_y_predict = model2.predict(X_test) r_y_predict_train = model2.predict(X_train)</pre>
2.	Accuracy	Training Accuracy – 100% Validation Accuracy – 100%	[] print('Testing Accuracy = ', accuracy_score(y_test,r_y_predict)) print('Training Accuracy = ', accuracy_score(y_train,r_y_predict_train)) Testing Accuracy = 1.0 Training Accuracy = 1.0 O pd.crosstab(y_test,r_y_predict) col_0 0 1 class/ASD 0 98 0 1 0 43 [] print(classification_report(y_test,r_y_predict)) precision recall f1-score support 0 1.00 1.00 1.00 98 1 1.00 1.00 43 accuracy macro avg 1.00 1.00 1.00 141 weighted avg 1.00 1.00 141