Project Development Phase Model Performance Test

Date	19 November 2022	
Team ID	PNT2022TMID02356	
Project Name	Project - car resale value prediction	
Maximum Marks	10 Marks	

Model Performance Testing:

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

S.N o.	Parameter	Values	Screenshot		
1.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score -	Random Forest Regressor In [40]: from sklearn.ensemble import RandomForestRegressor from sklearn.ensemble import RandomForestRegressor ergressor = RandomForestRegressor(n_estimators=1800,max_depth=10,random_state=34) regressor.fit(X_train,sp.ravel(Y_train,order='C')) Out[40]: RandomForestRegressor(max_depth=10, n_estimators=1800, random_state=34) In [41]: y_pred=regressor.predict(X_test) print(r2_score(Y_test,y_pred)) 0.834527626497731 In [42]: filename='resale_model.sav'		
		Classification Model: Confusion Matrix - , Accuray Score- & Classification Report –	pickle.dump(regressor,open(filename, 'wb')) In [40]: from sklearn.ensemble import RandomforestRegressor from sklearn.entrics import r2_score regressor. RandomforestRegressor(n_stimators=1000, max_depth=10, random_state=34) regressor.fit(X_train,np.ravel(Y_train,order='C')) Out[40]: RandomforestRegressor(max_depth=10, n_estimators=1000, random_state=34) In [41]: y_predregressor.predict(X_test) print(r2_score(Y_test,y_pred)) 0.83452762497731 In [42]: filename='resale_model.sw' pikkle.dump(regressor.open(filename, 'wb'))		
		Label Encoder	Label Encoder 2 [17] from Allams_proprocuring input inditionals [2 [18] from Allams_proprocuring input inditionals [2 [18] from Allams_proprocuring input inditionals [3 [18] from Allams_proprocuring input inditionals [4 [18] from Allams_proprocuring input inditionals [5 [18] from Allams_proprocuring_procuring		