Project Development Phase Model Performance Test

Date	10 NOvember 2022	
Team ID	PNT2022TMID37289	
Project Name Car resale value prediction		
Maximum Marks	10 Marks	

Model Performance Testing:

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

Metrics	Regression Model: MAE -0.098 MSE -0.313 RMSE -0.313 R2 score -0.597	RMSE: 0.31362502409359 MSE: 0.31362502409359 MAE: 0.09836065573770492 R2 SCORCE: 0.5978021978021978
		Import statumolels.spl st sm
	Metrics	MAE -0.098 MSE -0.313 RMSE -0.313

2.	Tune the	Hyperparameter Tuning -	Rf_configs={
	Model	Validation Method -	"name":'RandomForestRegressor', "name":"grid", ""setid",
		1) Learning Rate: [0.01, 0.03, 0.05, 0.07] 2) Boosting Type: ['gbdt','dart','goss','rf'] 3) Number of Estimators:[50,75,100]	<pre>"metric":{ "name":"adj_r2", "goal":"maximize" }, "parametres":{ "values":[0.01,0.03,0.05,0.07] }, "objective":{ "values":['root_mean_squared_error'] }, "boosting_type":{</pre>
		Validation Method: Grid Search Cross Validation	<pre>"reg_sqrt":{ "values":[True] }, "metric":{ "values":['rmse']</pre>
		Best Parameters: Learning Rate — 0.07 Boosting Type — 'gbdt' Number of Estimators - 100	<pre>}, "n_estimators":{</pre>