

## Project Development Phase

### Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID13612
Project Name	Project – Car Resale Value Prediction Using machine learning
Maximum Marks	10 Marks

### Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	<p><b>Classification Model:</b></p> <pre># Linear regression classifier from from sklearn.model_selection import train_test_split X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.20) model.score(X_test, y_test))</pre> <p><b>Accuracy:</b> accuracy_score(y_test, y_pred_csv) #92%</p> <p><b>Classification Report :</b></p> <pre>print(classification_report(y_test, y_pred_csv))</pre> <p><b>Confusion Matrix:</b></p> <pre>cm = confusion_matrix(y_test, y_pred_csv) plt.title('Heatmap of Confusion Matrix', fontsize = 12) sns.heatmap(cm, annot = True, fmt = "d") plt.show()</pre> <p><b>#Random Forest model:</b></p> <pre>from sklearn.model_selection X_pred = np.zeros_like(X.columns) feature_list = [year, present_price, kms, owner, diesel, petrol, individual, manual]</pre> <p><b>Accuracy:</b></p> <pre>predict_price(7, 9.54, 43000, 0, 1, 0, 0, 1, "sx4")</pre>	     

