Project Development Phase Model Performance Test

Date	10 November 2022
Team ID 591-581	
Project Name	Project – Travel Insurance Prediction
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	Regression Model: MSE – 0.50, RMSE -0.25, R2-score -0.07	# RMSE (Root Mean Square Error) print(np.sqrt(metrics.mean_squared_error(y_test,1_pred)))
		Classification Model: Confusion Matrix - ,[[335 40]	#Accuracy score from <pre>from <pre>sklearn.metrics</pre> import accuracy_score,confusion_matrix,classification_report print("Accuracy Score = ", accuracy_score(y_test,k_pred)) print("Calossification Report = ") print("classification report(y_test,k_pred))</pre>
2.	Tune the Model	Hyperparameter Tuning – Not used Validation Method – Gradient Boosting	#gradient Boost eval_classification(gbm) Accuracy (Test Set): 0.83 precision (Test Set): 0.94 Recall (Test Set): 0.58 F1-Score (Test Set): 0.72