

Project Development Phase Performance Test

Team ID	PNT2022TMID13322
Project Name	University Admit Eligibility Predictor
Maximum Marks	10 Marks

S.No.	Parameter	Values	Screenshot
1.	Metrics	Accuracy Score- 91.6666 Recall Score – 1.0 ROC Score – 58.333	<pre> # Code -> 100 from sklearn.linear_model import LogisticRegression from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix from sklearn.preprocessing import StandardScaler X_train = StandardScaler().fit_transform(X_train) y_train = y_train X_test = StandardScaler().fit_transform(X_test) y_test = y_test model = LogisticRegression() model.fit(X_train, y_train) accuracy_score = accuracy_score(y_test, model.predict(X_test)) recall_score = recall_score(y_test, model.predict(X_test)) roc_auc_score = roc_auc_score(y_test, model.predict_proba(X_test)[:, 1]) print("Accuracy Score: ", accuracy_score) print("Recall Score: ", recall_score) print("ROC Score: ", roc_auc_score) print("Confusion Matrix: ") confusion_matrix(y_test, model.predict(X_test)) Accuracy Score: 0.9166666666666667 Recall Score: 1.0 ROC Score: 0.5833333333333333 Confusion Matrix: [[1 0] [0 14]] </pre>
2.	Tune the Model	Loading the model in the IBM cloud	<pre> from pickle import load from sklearn.preprocessing import StandardScaler from IBMCloudClient import IBMCloudClient model = load(open('university.pkl', 'rb')) scaler = StandardScaler() client = IBMCloudClient(IBMCloudClient()) def upload_model_to_ibm_cloud(model, scaler): client.upload_model(model, scaler) upload_model_to_ibm_cloud(model, scaler) </pre>