Project Development Phase
Model Performance Test

Date	8th November 2023
Team ID	PNT2023TMID-592801
Project Name	Rainfall Prediction using Machine Learning
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Classification Model:** **Logistic Regression** Accuracy Score-0.803 **XGBClassifier** Accuracy Score-0.89	Classification Report LogisticRegression() Training Accuracy : 0.8037131883719273 Validation Accuracy : 0.803197591282734 precision recall f1-score support 0 0.91 0.71 0.79 22225 1 0.42 0.75 0.53 6214 accuracy 0.71 28439 macro avg 0.66 0.73 0.66 28439 weighted avg 0.80 0.71 0.74 28439 precision recall f1-score support 0 0.92 0.78 0.84 22225 1 0.49 0.77 0.60 6214 accuracy 0.78 28439 macro avg 0.71 0.77 0.72 28439 weighted avg 0.83 0.78 0.79 28439
2.	Tune the Model	Hyperparameter Tuning Validation Method- CV() method in XGBOOST	Validation Accuracy : 0.855455937335