Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID01337	
Project Name	Project - WEB PHISHING DETECTION	
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: supervised learning classification MAE - , MSE - , RMSE - , R2 score -	from sklearn.linear_model import LogisticRegression lr=togisticRegression() lr.fit(x_train,y_train) LogisticRegression()
		Classification Model: Logistic Regression	y_pred1=]r,predict(x_test) from sklean.metrics import accuracy_score log_regraccuracy_score(y_test,y_pred1) log_reg
		Confusion Matrix - , Accuray Score-	0.9167797376752601
		& Classification Report -	
2.	Tune the Model	Hyperparameter Tuning -	1000 1000 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700
		Validation Method -	
			from sklearn import datasets from sklearn tree import DecisionTreeClassifier from sklearn.tree import DecisionTreeClassifier from sklearn.tree import DecisionTreeClassifier X, y = datasets.load_fris(return_X_y-True) clf = DecisionTreeClassifier(random_state=42) k_folds = Kfold(n_splits = 5) scores = cross_val_score(clf, X, y, cv = k_folds) print("Cross Validation Scores: ", scores) print("Average CV Score: ", scores.mean()) print("Number of CV Scores used in Average: ", len(scores)) Cross Validation Score: [1. 0.3333333 0.9333333 0.63 Average CV Score: 0.5333333333333333333333333333333333333