# Project Development Phase Model Performance Test

Date	18 November 2022	
Team ID	PNT2022TMID06636	
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: Logistic Regression MAE – 0.26142017186793304 MSE - 0.5228403437358661 RMSE - 0.7230769971004928 R2 score2.888673182487615	Attached Below
		Classification Model: Decision Tree Classifier Confusion Matrix - array([[ 61, 249], [ 26, 1875]]) Accuracy Score- 0.8756218905472637 Classification Report – refer screenshot	
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	Attached Below

#### 1. METRICS:

#### **REGRESSION MODEL: LOGISTIC REGRESSION**

## **EVALUATION METRICS:**

Here are some evaluation metrics used for regression they are,

- R2 Score
- Mean Square Error(MSE)
- RMSE(Root Mean Square Error)
- Mean Absolute Error(MAE)



#### **CLASSIFICATION MODEL: DECISION TREE CLASSIFIER**

### **EVALUATION METRICS:**

Some of the evaluation metrics is as follows

- Confusion matrix
- Accuracy score
- Classification report

## 2.TUNE THE MODEL: DECISION TREE CLASSIFIER

## **HYPERPARAMETER TUNING:**

