## Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID36037	
Project Name	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.	Model Summary	-	Random Forest  precision recall f1-score support  -1 0.98 0.97 0.97 1001 1 0.97 0.98 0.98 1210  accuracy 0.97 2211 macro avg 0.98 0.97 0.97 2211 weighted avg 0.97 0.97 0.97 2211
			Support Vector Machine
			precision recall f1-score support  -1 0.98 0.96 0.97 1001 1 0.96 0.98 0.97 1210  accuracy 0.97 2211 macro avg 0.97 0.97 0.97 2211 weighted avg 0.97 0.97 0.97 2211
			Logistic Regression
			precision recall f1-score support -1 0.93 0.92 0.93 1001 1 0.93 0.95 0.94 1210
			accuracy 0.93 2211 macro avg 0.93 0.93 0.93 2211 weighted avg 0.93 0.93 0.93 2211
			Decision Tree
			precision recall f1-score support -1 0.97 0.96 0.96 1001 1 0.97 0.98 0.97 1210
			accuracy 0.97 2211 macro avg 0.97 0.97 0.97 2211 weighted avg 0.97 0.97 0.97 2211
			Naïve Bayes
			precision recall f1-score support  -1 0.90 0.92 0.91 1001 1 0.93 0.92 0.92 1210  accuracy 0.92 2211 macro avg 0.92 0.92 0.92 2211
			weighted avg 0.92 0.92 0.92 2211

2.	Accuracy		
		Random Forest	Random Forest
		Training Accuracy - 98.93%	Accuracy of train data = 98.93713251922208 % Accuracy of test data = 97.46720940750791 %
		Validation Accuracy -97.46%	
		Support Vector Machine	Support Vector Machine
		Training Accuracy – 98.42%	Accuracy of train data = 98.4283129805518 %
		Validation Accuracy -96.96%	Accuracy of validation data = 96.96969696969697 %
		Logistic Regression	Logistic Regression
		Training Accuracy -92.79 %	Accuracy of train data = 92.79737675260064 % Accuracy of validation data = 93.441881501583 %
		Validation Accuracy -93.44%	
		Decision Tree	Decision Tree
		Training Accuracy – 98.93%	Accuracy of train data = 98.93713251922208 % Accuracy of validation data = 96.8340117593849 %
		Validation Accuracy -96.83%	Accuracy of validation data = 96.634011/593649 %
		validation Accuracy -50.85%	
		Naïve Bayes	Naïve Bayes
		Training Accuracy – 90.79%	Accuracy of train data = 90.79601990049751 % Accuracy of validation data = 91.85888738127545 %
		Validation Accuracy -91.85%	
3.	Confidence Score (Only Yolo Projects)	Class Detected -	Not applicable
	- <b>,</b> ,	Confidence Score -	