



## Model Development Phase Template

Date	06-06-2024
TeamID	739972
Project Title	DETECTION OF PHISHING WEBSITE FROM URLS
Maximum Marks	4 Marks

## Initial Model Training Code, Model Validation and Evaluation Report

Theinitialmodeltrainingcodewillbeshowcasedinthefuturethroughascreenshot. Themodel validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

## InitialModelTrainingCode:









## ${\bf Model Validation and Evaluation Report:}$

Model	Classification Report	F1 Scor e	Confusion Matrix
Logistic Regressi on	[[37. 19. 0 0. 0. 0.] [77. 23. 1 0. 0. 0.] [126. 50. 1 0. 0. 0.] [105. 16. 1 0. 0. 0.] [38. 30. 0 0. 0. 0.] [477. 14. 1 0. 0. 1.]]['legitimate' 'phishing' 'phishing' 'legitimate' 'legitimate' 'phishing']	80%	





Decision Tree	-				79%	<pre>confusion_matrix(y_test,ypred) array([[62, 13],</pre>
KNN	print(classification_repor	t(y_test,ypm precision 0.60 0.67 0.63 0.64	f1-score 0.59 0.68 0.64 0.63 0.64	support 75 94 169 169	64%	<pre>confusion_matrix(y_test,ypred) array([[43, 32],</pre>
Gradient Boosting	print(classification_report  Loan will be Approved Loan will not be Approved accuracy macro avg weighted avg	t(y_test,ypr precision 0.71 0.85 0.78 0.79	 f1-score 0.77 0.78 0.78 0.77 0.78	support 75 94 169 169	78%	<pre>confusion_matrix(y_test,ypred) array([[63, 12],</pre>