

Model Development Phase Template

Date	06-06-2024
Team ID	740031
Project Title	DETECTION OF PHISHING WEBSITES FROM URLS
Maximum Marks	6 Marks

Model Selection Report

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

Model	Description	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
Logistics regression	<p>Logistic Regression is a machine learning algorithm used to predict the probability of a URL being phishing or legitimate. It analyzes a set of features extracted from the URL and outputs a probability score between 0 and 1, where:</p> <ul style="list-style-type: none"> - 0 indicates a legitimate website - 1 indicates a phishing website 	-	Accuracy score = 81%
DecisionTree	-	-	-

KNN	-	-	-
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	for local variations in loan approval criteria.		
Gradient Boosting	Gradient boosting with trees; optimizes predictive performance, handles complex relationships, and is suitable for accurate loan approval predictions.	-	Accuracy score = 81%