

Model Development Phase Template

Date	06-06-2024
Team ID	740031
Project Title	DETECTION OF PHISHING WEBSITE FROM URLS
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
URL	Uniform resource locator is a web address used to locate specific resources on the internet.	Yes	Easy to extract and analysis Distinct patterns in phishing url Fast and accurate detection
Ip address	An Internet Protocol address (IP address) is a unique numerical identifier assigned to each device connected to a computer network	Yes	We use IP addresses in detecting phishing websites from URLs because they provide a unique and efficient way to identify a website's hosting information and detect suspicious patterns, enhancing detection accuracy.

Domain	A domain is a unique string of characters that identifies a website or online platform, such as (link unavailable) or facebook.com, and is used to access it on the internet.	Yes	Domain are unique and can be used to identify a website's authenticity
ssl	security protocol used to establish an encrypted connection between a web browser and a web server.	Yes	<ol style="list-style-type: none"> 1. Authentication: SSL certificates verify the website's identity, ensuring it is who it claims to be. 2. Encryption: SSL encrypts data in transit, making it harder for phishers to intercept sensitive information. 3. Trust indicators: Valid SSL certificates can indicate a trusted website, reducing the likelihood of phishing.

Self_Employed	Self-employment status	Yes	Self-employed individuals may have different financial profiles.
Applicant Income	Income of the applicant	Yes	It is crucial in determining the applicant's financial capacity.
Co-applicant Income	Income of the co-applicant	Yes	Combined income provides a more accurate picture of financial stability.
Loan Amount	Amount of loan applied	Yes	Fundamental for assessing the financial magnitude of the loan.
Loan Amount Term	Term of the loan (in months)	Yes	The loan term influences monthly repayments and impacts eligibility.
Credit_History	Credit history of the applicant	Yes	A major factor in loan approval is reflecting the applicant's creditworthiness.
Loan_Status	Loan approval outcome	Yes	The target variable for predictive modeling – is essential for the project's goal.