

PROJECT DESIGN PHASE - 1

PROPOSED SOLUTION

Date	19 September 2022
Team ID	PNT2022TMID03756
Project Name	WEB PHISHING DETECTION

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Phishing websites are one of the internet security problems that target human vulnerabilities rather than software vulnerabilities. It can be described as the process of attracting online users to obtain their sensitive information such as usernames and passwords.
2.	Idea / Solution description	To solve this we propose a detection technique of phishing websites based on checking the URL of web pages. The proposed solution is able to distinguish between the legitimate web page and fake web page by checking the URL of suspected web pages.
3.	Novelty / Uniqueness	In this project, we check the <ol style="list-style-type: none">1. URLs as well as the domain name for better identification of the phishing attacks.2. Digit count in the URL, Total length of URL3. Whether it includes a legitimate brand name or not (apple-icloud-login.com)4. Number of subdomains in URL, Is Top Level Domain (TLD) one of the commonly used one.
4.	Social Impact / Customer Satisfaction	<ol style="list-style-type: none">1. Anti-Phishing protection.2. This will provide security to the user's information by acknowledging them before they are trapped.
5.	Business Model (Revenue Model)	Phishers steal personal information and financial account details such as usernames and passwords, leaving users vulnerable in the online space. To avoid this kind of situation and also to prevent the theft or damage to the information assets of an organization.
6.	Scalability of the Solution	It provides Multi-factor Authentication and easy Accessibility.