

**Project Design Phase-I**  
**Proposed Solution**

<b>Date</b>	28 October 2022
<b>Team ID</b>	PNT2022TMID15724
<b>Project Name</b>	Project - Web Phishing Detection
<b>Maximum Marks</b>	2 Marks

**Proposed Solution:**

<b>S.N o.</b>	<b>Parameter</b>	<b>Description</b>
1.	<b>Problem Statement (Problem to be solved)</b>	Web phishing tends to steal a lot of information from the user during online transaction like username, password, important documents that have been attached to those websites. One of the many security risks to web services on the Internet is web phishing. There are multiple types of attacks that happen here every day, but there is no auto detection process through machine learning achieved.
2.	<b>Idea / Solution description</b>	Through ML and data mining techniques like classification algorithm, users can be able to attain a warning signal to notify these phishing websites which helps the user to safeguard their identities and their login credentials etc. Python is the language that helps to enable these techniques for the online users. Using the results obtained, safe websites for online transactions are acquired which would then be made accessible to the users through an online application.
3.	<b>Novelty / Uniqueness</b>	This project is not only able to identify the malicious websites; it also has the ability to automatically block these kinds of websites completely in the future when they have been identified and also blocks some various mails and ads from these malicious websites.
4.	<b>Social Impact / Customer Satisfaction</b>	This web phishing detection project attains customer satisfaction by discarding various kinds of malicious websites to protect their privacy. This project is not only capable of being used by a single individual, a large social community, and an organisation can use this web phishing detection to protect their privacy. This project helps to block various malicious websites simultaneously.
5.	<b>Business Model (Revenue Model)</b>	This developed model can be used as an enterprise application by organisations which handle sensitive information and also can be sold to government agencies to prevent the loss of potential important data. Based on membership levels, different levels of security strictness and multiple volumes of secure e-commerce websites would be offered.

6	<b>Scalability of the Solution</b>	<p>This project's performance rate will be high and it also provide many capabilities to the user without reducing its efficiency to detect the malicious websites. thus scalability of this project will be high. It could be further extended for other security concerns such as audio recording, video recording, location tracking, virus attacks and more.with safer and more effective solutions.</p>
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