

Project Design Phase-I
Proposed Solution

Date	12 October 2022
Team ID	PNT2022TMID18067
Project Name	Project - Web Phishing Detection
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The web applications are the primary target for the unethical hackers. One of the methods helps such attacker is web phishing. Commercial websites such as online purchasing platforms, online banking sites are handling with lot of sensitive informations. Hence there is a need for an intelligent system which detects the phishing websites especially for the e-banking phishing sites.
2.	Idea / Solution description	Machine Learning model takes URL as input. In that some of the notable features such as urllength, having ip address, port etc... Using these features the model is trained and it detects whether the website is phished website or not.
3.	Novelty / Uniqueness	Existing solutions for Web Phishing detection mainly focused on some of the anti-phishing solutions namely, Heuristic Based Approach, Content Based Approach, Blacklist Based Approach. But our proposed solution is based on a machine learning approach which is more efficient and accurate than existing approaches.
4.	Social Impact / Customer Satisfaction	Many people when they need to purchase something or to do an online banking they rely on websites and they don't know whether the website is a reliable one or a phishing website. So having an phishing website detector will provide a safe and satisfactory experience for the users to share their datas.
5.	Business Model (Revenue Model)	If there is phishing detector the datas given by the users will not be theft and used for an illegal purpose which reduces the workload of cyber crime police officers. Also the phishing detector can be added as an extension to every browsers and can generate revenue through charging for the extension.
6.	Scalability of the Solution	Since the phishing detector can be added as an extension or individual website it can be used in any kind of operating system and performs equally well with one or a thousand users and

		stands ups and downs of the traffic. Also easily movable by simply adding as an extension in desired browser.
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