

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID15184
Project Name	Project – Web Phishing Detection
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Web Phishing Detection There are a number of users who purchase products online and make payments through e-banking. There are e-banking websites that ask users to provide sensitive data such as username, password & credit card details, etc., often for malicious reasons. This type of e-banking website is known as a phishing website. Web service is one of the key communications software services for the Internet. Web phishing is one of many security threats to web services on the Internet.
2.	Idea / Solution description	List-based detection. List-based phishing detection methods use either whitelist or blacklist-based technique. A blacklist contains a list of suspicious domains, URLs, and IP addresses, which are used to validate if a URL is fraudulent
3.	Novelty / Uniqueness	Phish Tank's definition holds true in a number of scenarios which, roughly, cover the majority of phishing attacks (although no accurate studies have been made to reliably quantify this). However, the definition limits phishing attacks to stealing personal information, which is not always the case.
4.	Social Impact / Customer Satisfaction	Phishing has a list of negative effects on a business, including loss of money, loss of intellectual property, damage to reputation, and disruption of operational activities.
5.	Business Model (Revenue Model)	Our approach extracts and analyses different features of suspected webpages for effective identification of large-scale phishing offenses. The main contribution of this paper is the combined uses of these feature set. For improving the detection accuracy of phishing webpages, we have proposed eight new features. Our proposed features determine the relationship between the URL of the webpage and the webpage content.

6.	Scalability of the Solution	The solutions are very scalable. Anti-phishing protection refers to the security measures that individuals and organizations can take to prevent a phishing attack or to mitigate the impact of a successful attack. Certain anti-phishing protection may block email containing phishing attacks from entering a company's email system at all.
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