

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID45373
Project Name	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 is one of the major problems which handles with sensitive information. Malicious link will often steals users credentials without their consent which must be solved. The main objective is to identify phishing e-payment website and safeguard user information from phishing to protect users privacy.
2.	Idea / Solution description	By extracting pertinent features from the target website, conducting feature co-relation, and then passing the information through the C5 classifier, the proposed method aids the user in distinguishing a legitimate website from a malicious one. 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.	Novelty / Uniqueness	As we are providing a service(SAAS) which doesn't need any kind of computational resources. The specialized feature is that we provide users to enable our project as a Chrome extension with user-friendly UI/UX which gives them a higher level of confidence while doing transactions or web surfing. Our model is designed in such a way which gives alerts while entering into phishing websites.

4.	Social Impact / Customer Satisfaction	Our project will have a definite impact on society by making users free from data theft. secure users from proxies and Scams. Using our product people can feel safer and secure from the cyber-attack like web phishing.
5.	Business Model (Revenue Model)	Micro web frameworks like flask can be used to create a REST-based web application that users may use to conduct reliable and secure online transactions through safe e-commerce websites. Based on membership levels, different levels of security strictness and multiple volumes of secure e-commerce websites would be offered.
6.	Scalability of the Solution	Apart from E-banking and e-commerce sector the idea proposed can be developed into platform independent model also. Machine Learning models and effective feature engineering techniques help identify phishing websites and come up with key features that are common in most phishing websites.