Project Design Phase-I Proposed
Solution Template

Date	08 October 2022
Project Name	Project - Web Phishing Detection
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many banking websites, and the anonymous links for malicious content, request users to submit private information like usernames, passwords, credit card numbers, and more. Phishing websites are this kind of online banking website. One of the many security risks to web services on the Internet is web phishing.
2.	Idea / Solution description	1. Address Bar based Features 2. Abnormal Based Features 3. HTML and JavaScript Based Features 4. Domain Based Feature. are the components are used for detection of phishing attack
3.	Novelty / Uniqueness	The proposed solution uses novel methods to identify relevant features by factoring in attributes like page rank, in-degree, presence of HTTPS token, and others. Through the features obtained, different dataset sizes and distributions are tested for analyzing and detecting optimal hyperparameters.

4.	Social Impact / Customer Satisfaction	The website is created with an opinion such that people are not only able to distinguish between legitimate and fraudulent website, but also become aware of the mal-practices. They can stay away from the people trying to exploit one's personal information, like email address, password, debit card numbers, credit card details, CVV, bank account numbers, and the list goes on.
5.	Business Model (Revenue Model)	Micro web frameworks like flask can be used to create a REST-based web application and web services that users may use to conduct reliable and secure online transactions through safe ecommerce websites and identify the illegal links. 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	The proposed website's functionality can be turned into an API so that other e-banking and e-commerce portals can utilize it to provide their users with safer and more effective solutions. 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.