Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID10819
Project Name	Project – web phishing detection
Maximum Marks	2 Marks

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Phishing sites are malicious websites that seem like reliable sources. websites or pages that try to steal visitors' personal information identifying data, such as their username, password, and credit account number. Considering that phishing is mostly a semantics-based assault that targets human weaknesses rather than Identifying network or software weaknesses that allow for phishing Websites may be challenging.
2.	Idea / Solution description	Web scraping is what we do with the user's submitted URLs. Most frequently and include it into our categorisation machine learning model-based This installed addition warns the user if our algorithm suggests that the discovered website will not be accurate. perhaps a phishing site
3.	Novelty / Uniqueness	The browser extension factor has not been utilised in any earlier studies. Additionally, the built model will have the ability to continually watch the website. Due to the fact that some phishing websites first appear to be completely innocent before turning harmful.
4.	Social Impact / Customer Satisfaction	This is a rather hands-off method, so the user doesn't have to do anything; instead, the extension will inform the user about the authenticity of the website. Customers are better happy as a result of phishing websites stealing less information. while easily navigating to a reliable website.
5.	Business Model (Revenue Model)	We propose a two-tier structure, with a "free" tier and a "premium" tier. The free layer of a website would contain any adverts that are shown underneath it. An annual or monthly recurring membership in the premium tier removes all advertisements. advertising, which accelerates and enhances the algorithms for classifying objects.
6.	Scalability of the Solution	Everyone on the planet may access and use this browser extension because it was released on the Chrome Marketplace. Because it is hosted on the IBM Cloud, it can be scaled up and down as necessary.