Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID23911
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)	1. Phishing is a form of fraud in which the attacker tries to learn sensitive information such as login credentials or account information by sending as a reputable entity or person in email or other communication channels. 2. Typically a victim receives a message that appears to have been sent by a known contact or organization. The message contains malicious software targeting the user's computer or has links to direct victims to malicious websites in order to trick them into divulging personal and financial information, such as passwords, account IDs or credit card details.
2.	Idea / Solution description	1. The phishing website can be detected based on some important characteristics like URL and Domain Identity, and security and encryption criteria in the final phishing detection rate. 2. Once user makes transaction through online when he makes payment through the website our system will use data mining algorithm to detect whether the website is phishing website or not. 3. This application can be used by many E-commerce enterprises in order to make the whole transaction process secure. 4. Data mining algorithm used in this system provides better performance as compared to other traditional classifications algorithms. With the help of this system user can also purchase products online without any hesitation.

		5. Admin can add phishing website url or fake website url into system where system could access and scan the phishing website and by using algorithm, it will add new suspicious keywords to database.System uses machine learning technique to add new keywords into database
3.	Novelty / Uniqueness	1. Machine learning technology consists of a many algorithms which requires past data to make a decision or prediction on future data. 2. Using this technique, algorithm will analyze various blacklisted and legitimate URLs and their features to accurately detect the phishing websites including zero- hour phishing websites.
4.	Social Impact / Customer Satisfaction	From every phishing incident that has ever taken place in history, one constant effect is financial loss. First is the direct loss from transferred funds by employees who were fooled by the hackers. Second is the fines for non-compliance imposed by regulatory bodies like HIPAA, PCI, and PIPEDA, among others
5.	Business Model (Revenue Model)	People buy subscription annually,to protect their files both locally and at remote location with the help of our cloud integrated flask app for web phishing detection.
6.	Scalability of the Solution	1. We deliver the Good feasible UI/UX design on Web phishing detection. 2. The model is tested and trained in multiple types of datasets to get high accuracy than other algorithms