

Ideation Phase

Define the Problem Statements

Date	30 October 2022
Team ID	PNT2022TMID27633
Project Name	Web Phishing Detection
Maximum Marks	2 Marks

Web Phishing Detection

Customer Problem Statement:

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.

Common threats of web phishing:

- Stealing of one's personal information and illegal use of their details.
- It will lead to information disclosure and property damage.
- People may get trapped in different scams.

Our Project mainly focuses on applying a machine-learning algorithm along with data science concepts to detect Phishing websites and prevent them from being cornered.

In order to detect and predict e-banking phishing websites, we proposed an intelligent, flexible and effective system that is based on using classification algorithms. We implemented classification algorithms and techniques to extract the phishing datasets criteria to classify their legitimacy. The e-banking 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. Once a user makes a transaction online when he makes payment through an e-banking website our system will use a data mining algorithm to detect whether the e-banking website is a phishing website or not.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Product buyer – online	Buying a product through online website	Doubt in buying the product	Some Websites is not trustworthy	Bad
PS-2	Money transfer through online-Banking.	Transfer money to my friend through website using internet	Trust issues whether the website is secure or not.	There are many phishing websites available through internet	Cheated