

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID48632
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)	<p>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. Web phishing is one of many security threats to web services on the Internet.</p> <p>Common threats of web phishing:</p> <ul style="list-style-type: none">• Web phishing emphasizes on steal private information• It will lead to information disclosure and property damage.• Large organizations may get trapped in different kinds of scams.
2.	Idea / Solution description	<p>The proposed system handles the dataset and classifies the dataset to be tested as genuine or not by verifying certain criteria that are necessary validate it . The datasets are now evaluated where the number of criteria that has been fulfilled plays a vital role. So based on the results that we get from the tools that we used (Decision tree algorithm), the website is declared genuine or not.</p>
3.	Novelty / Uniqueness	<p>Implementation of Random Forest algorithm along with the decision tree improves the accuracy of the detection.</p>
4.	Social Impact / Customer Satisfaction	<p>The proposed system prevents the user or customer from falling prey to the phishing and scam websites by detecting the phishing websites.</p>
5.	Business Model (Revenue Model)	<p>By including premium subscription facility to provide enhanced features to the customer we generate revenue to the development team.</p>

6.	Scalability of the Solution	In this emerging world of technology, phishing urls with new scamming methods could be identified using our system.
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