

Project Design Phase-I

Proposed Solution

Date	15 October 2022
Team ID	PNT2022TMID34894
Project Name	Project – Web Phishing Detection
Maximum Marks	2 Marks

Proposed Solution Template:

Sl.No	Parameter	Description
1.	Problem Statement	<ul style="list-style-type: none">• Phishing is a type of cybercrime where the targets are lured or tricked into giving up sensitive information, such as Social Security Number personal identifiable information and passwords.• Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity.• To detect the Phishing sites and remove them.
2.	Idea / Solution description	<ul style="list-style-type: none">• A deep learning-based framework by implementing it as a browser plug-in capable of determining whether there is a phishing risk in real-time when the user visits a web page and gives a warning message.• As we came to know while doing literature survey, efficient models like decision tree, random forest could also be tried out.• Removing Phishing sites using DATA science method

3.	Novelty / Uniqueness	<ul style="list-style-type: none"> • URL redirection • Using Data Models and new algorithms • As we are providing a service (SAAS) which doesn't need any kind of computational resources. • Website rank
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • This web phishing detection project attains the customer satisfaction by discarding various kinds of malicious websites to protect their privacy. • Our project will have a definite impact on society by making users free from data theft. • Large organizations may get trapped in different kinds of scams. • Using our product people can feel safer and secure from the cyber-attack like web phishing
5.	Business Model	<ul style="list-style-type: none"> • We are providing the product as Software as a service model, so that users can easily use the • Provide clear view about the effective level of phishing website detection • High accuracy, evolving with time and online working • The browser plugin can be provided with a subscription plan or could be sold as a licensed software.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • Easily accessible • Good relationship • Will be solution and end to the attackers and spammers and will provide great value • To create microservices with flask web framework so that the model could scaled vertically or horizontally and effective traffic management.