Project design Phase 1

Proposed solution

Date	**17.10.2022**
Team ID	**PNT2022TMID48973**
Project name	**Web phishing detection**
Maximum marks	**2 marks**

Proposed Solution template:

S.No	**Parameter**	**Description**
1	Problem statement	● Web phishing is one of the major problems which handles with sensitive information. ● Malicious link will often steals users credentials without their consent which must be solved ● The main objective is to identify phishing e-payment website and safeguard user information from phishing to protect users privacy
2	Idea / Solution description	● Our proposed model is capable of detecting phishing websites by use of Machine learning & classification algo's. ● As we came to know while doing literature survey ,efficient models like decision

		tree,random forest could also be tried out. ● use of pre-defined blacklisted website dataset
3	Novelty / Uniqueness	● As we are providing a service(SAAS) which doesn't need any kind of computational resources. ● The specialized feature is that we provide users to enable our project as a Chrome extension with user-friendly UI/UX which gives them a higher level of confidence while doing transactions or web surfing . ● Our model is designed in such a way which gives alerts while entering into phishing websites.
4	Social impact	● Our project will have a definite impact on society by making users free from data theft . ● secure users from proxies and scams ● Using our product people can feel safer and secure from the cyber-attack like web phishing
5	Business Model	● We are providing the product as Software as a service model, so that users can easily use the

		product without any difficulties. ● Even though our product is not designed to generate revenue directly , it helps indirectly for e-commerce & banking institutions by providing trustiness over the products which further increase the intakes of services .
6	Scalability of the solution	● Apart from E-banking and e-commerce sector the idea proposed can be developed into platform independent model also. ● Machine Learning models and effective feature engineering techniques helps identify phishing websites and come up with key features that are common in most phishing websites.