# Project design Phase 1

## Proposed solution

| Date | 24.09.2022 |
|---|---|
| Team ID | **PNT2022TMID42214** |
| Project name | Web phishing detection |
| Maximum marks | 2 marks |

## Proposed Solution template:

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

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| | | tree,random forest could also be tried out.<br>● 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.<br>● 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 .<br>● 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 .<br>● secure users from proxies and scams<br>● 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 |

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| | | product without any difficulties.<br><br>● 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.<br><br>● 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. |