**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID02188 |
| Project Name | Project – Web Phishing Detection |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | 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. This obtainment of such information is done fraudulently. Our research specifically focus on phishing websites and on evaluating whether a website is legitimate or phishing. Our research contributes to improving the accuracy of phishing website detection. |
|  | Idea / Solution description | We implemented some algorithms and techniques to extract the phishing data for setting the criteria to classify their legitimacy. The phishing site can be recognized dependent on some significant qualities like URL and Domain Identity. By comparing with different classification models like Random Forest, Logistic Regression and Decision Tree etc., we found a model that has a promising accuracy rate. |
|  | Novelty / Uniqueness | * URL redirection * HTTP tokens in URL * IFRAME * Presence of UNICODE in URL * Website rank |
|  | Social Impact / Customer Satisfaction | Credential theft may lead to major business disruption  and installing malware may lead to extortion , lead to monetary or data theft With the help of this system user can also purchase products online without any hesitation. It is outstanding that a decent enemy of phishing apparatus ought to anticipate the phishing assaults in a decent timescale. It helps people in recognizing phony or phishing sites who are attempting to gain admittance by making phony sites. It can be used by many E-commerce or other websites in order to have good customer relationship. |
|  | Business Model (Revenue Model) | * Improve Security * Provide clear view about the effective level of phishing website detection * High accuracy, evolving with time and online working |
|  | Scalability of the Solution | * Easily accessible * Good relationship |