**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID23587 |
| 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 form of attack where the hackers/attackers try to get the user’s sensitive information by posing as a reputable source.  Nowadays the attackers use the trusted domain identity to trapped the users and gain the user’s sensitive information |
|  | Idea / Solution description | To solve this problem we Identify, block and targeted the Phishing and ransomware by using classification algorithm to classify the real URLs and fake URLs to prevent the user’s information by acknowledge them |
|  | Novelty / Uniqueness | * In our project we check URLs as well as domain name to prevent information * Digit count in the URL, Total length of URL, whether the URL is Typo squatted or not. (google.com → goggle.com), whether it includes a legitimate brand name or not (apple-icloud-login.com) * Number of subdomains in URL, Is Top Level Domain (TLD) one of the commonly used one, its domain name or its IP address in blacklists of well-known reputation services, how many days passed since the domain was registered, Is the registrant’s name hidden? |
|  | Social Impact / Customer Satisfaction | * Anti-Phishing protection * Theft prevention * This will provide the security to the user information by acknowledge them before they trapped |
|  | Business Model (Revenue Model) | * Phishers steal personal information and financial account details such as usernames and passwords, leaving users vulnerable in the online space.to avoid this kind of situation and also prevent from the stealing or creating damage to the information assets of an organization |
|  | Scalability of the Solution | * It provides the Multi-factor Authentication and easy Accessibility * It also improved the safety and prevent from the sabotage |