**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMIDxxxxxx |
| 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) | Nowadays people make payments through online payment they will share they details like name, password and account details. The website are called malicious website. Using these websites attackers hack the user details. |
|  | Idea / Solution description | Many machine learning algorithms such as random forest algorithm will used and the model with high accuracy will be used to detect phishing website |
|  | Novelty / Uniqueness | We aim to detect phishing URLs as well as narrow down to best machine learning algorithm by comparing accuracy rate, false positive and false negative rate of each algorithm. |
|  | Social Impact / Customer Satisfaction | Our large-scale evaluation using real-world websites shows the effectiveness of our approach The proof of concept implementation verifies the correctness and accuracy of our approach with a relatively low performance  overhead. |
|  | Business Model (Revenue Model) |  |
|  | Scalability of the Solution | In future hybrid technology will be implemented to detect phishing web sites more accurately, for which random forest algorithm of machine learning technology and blacklist method will be used. |