**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID28921 |
| Project Name | Web Phishing Detection |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Verifying input | User inputs an URL in necessary field to check its validation |
| FR-2 | User Confirmation | Confirmation through email  Confirmation via OTP |
| FR-3 | Authentication | Confirmation of google firebase |
| FR-4 | User Permission | User must give permission access to the search engine |
| FR-5 | Website Evaluation | Model checks for the website in appearance of whitelist and blacklist |
| FR-6 | Real time monitoring | The use of extension plugin should provide a warning popup when they visit a website that is phished. Extension plugin will have the capability to also detect latest and new phishing website |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | This is very user friendly any people with less knowledge also can easily understanded that they are using the fake websites through out alert message |
| NFR-2 | **Security** | This website is secured as one cant hack our detection website , our website is easily trusted ones and they will be saved user financial information loss |
| NFR-3 | **Reliability** | It has good consistency and performs as it actively detect the fake website and protect the confidential information and financial loss of the user |
| NFR-4 | **Performance** | Web phishing detection performs high. It is very efficient, very easy to understand and it has a high security and scalability |
| NFR-5 | **Availability** | This detection website is available at any system like smart phones , laptop , smart watch, desktop and other electronic devices. User can easily got it |
| NFR-6 | **Scalability** | The total execution time of our approach in phishing web page detection is around 2-3sec,which is acceptable to our environment .As input size and execution time is increase it make the system difficult to handle and increase the stress |