**Project Design Phase-II**

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

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| **Date** | 28 October 2022 |
| **Team ID** | Team ID: PNT2022TMID22731 |
| **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 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Website identification | Model Detects the malicious website using blacklist And give alert message |
| FR-4 | Prediction | Model predicts the URL using Machine  Learning algorithms such as Regression, KNN |
| FR-5 | Classifier | Model predicts all the output to classifier and produces the final result. |
| FR-6 | Results | Model predict the website and give pop- up to the user  before they enter any confidential details |

**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** | User can access to several website easily using web phishing detection without loosing any data |
| NFR-2 | **Security** | User can check whether the websites are secure or not by getting pop-up message |
| NFR-3 | **Reliability** | User should feel it reliable while using any website |
| NFR-4 | **Performance** | The performance should be faster and user friendly for the effective performance |
| NFR-5 | **Availability** | The users should get availability to access the resources must be valid and reliable |
| NFR-6 | **Scalability** | The performance of the website should be efficient to handle the increasing user and loads without any disturbance |