**Project Design Phase-II**

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

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| **Date** | 15 October 2022 |
| **Team ID** | PNT2022TMID35404 |
| **Project Name** | Project – 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 Input | User types in URL to be checked. |
| FR-2 | Feature Extraction | The model must extract appropriate features from the URL given by the user. |
| FR-3 | Prediction | Model must use an ML algorithm such as KNN, Logistic regression etc to make predictions. |
| FR-4 | Classification | This data is then provided to the classifier to make the final decision. |
| FR-5 | Displaying the result | Whether the given link is legitimate or not is displayed. |
| FR-6 | Clearing Queries | FAQ’s must be provided. |

**Non-functional Requirements:**

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

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| **NFR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | It pertains to effectiveness ,efficiency and overall satisfaction of the user. |
| NFR-2 | Security | Users need to be protected from malicious attacks when using the site. |
| NFR-3 | Reliability | The model should be able to accurately predict whether a URL is malicious or not/ |
| NFR-4 | Performance | It is the ability of the application to always run acceptably. In time-critical scenarios, even the smallest delay in processing data can be unacceptable. |
| NFR-5 | Availability | The system is accessible to a  user at any given point in time. |
| NFR-6 | Scalability | The system should be able to perform efficiently to meet changing requirement. |