**Project Design Phase-II**

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

| Date | 13 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID52526 |
| Project Name | Project - Web Phishing Detection |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Website Analyze&Preprocessing | Our system should be able to load air quality data and preprocess data.  It should be able to analyze the air quality data |
| FR-4 | Prediction | It should be able to group data based on hidden patterns.  It should be able to assign a label based on its data groups. |
| FR-5 | Classification | It should be able to split data into trainset and testset. • It should be able to train model using trainset.  It must validate trained model using testset. |
| FR-6 | Result | It should be able to display the trained model accuracy. It should be able to accurately predict the air quality on unseen data. |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | Since the writing computer programs is extremely straightforward, it is simpler to discover and address the imperfections and to roll out the improvements in the undertaking |
| NFR-2 | **Security** | High level of security is ensured. |
| NFR-3 | **Reliability** | It enlists the different permutations and combinations a system can be reused in many other applications which gives better prediction, as well as gives a new approach to prediction techniques. |
| NFR-4 | **Performance** | The user interface allows the user to interact with the system at a very comfortable level with no hassles. |
| NFR-5 | **Availability** | To depict how much an item, gadget, administration, or condition is open by however many individuals as would be prudent. |
| NFR-6 | **Scalability** | low data transfer capacity and substantial number of clients |