**Project Design Phase-II**

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

| Date | 23 May 2023 |
| --- | --- |
| Team ID | NM2023TMID02006 |
| Project Name | Accessing the safety of municipal drinking water |

**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 |  |  |
| FR-4 |  |  |
|  |  |  |
|  |  |  |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | To purifying the municipal drinking water. |
| NFR-2 | **Security** | This project saves protects the human health from various diseases caused by water. |
| NFR-3 | **Reliability** | Water supply system reliability can be defined in terms of the shortage that results from failures of a system’s physical components. |
| NFR-4 | **Performance** | To improve the quality of municipal drinking water. |
| NFR-5 | **Availability** | Only 2.3 percent of the fresh water on earth is fresh water and only 1 percent of the available fresh water. |
| NFR-6 | **Scalability** | It occurs when water has high levels of minerals like calcium carbonate,which can build-up on surfaces. |