# Project Design Phase-II
## Solution Requirements (Functional & Non-functional)

| Team ID | PNT2022TMID25446 |
|---|---|
| Project Name | Real Time River Water Quality Monitoring And Control System |

**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<br>Registration through Gmail<br>Registration through mobile call |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP<br>Confirmation via Message |
| 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** | It help the public to get a detailed information about the drinking water and it can be utilized through message and mails or it may be through mobile calls |
| NFR-2 | **Security** | More users are involved in this process, even though it contain multiple users, the user data are more safe and secure |
| NFR-3 | **Reliability** | It is public oriented project and it contain more flexible data, the user can access this with more secure and stable manner |
| NFR-4 | **Performance** | It is public project and performance need to be high, the tester can monitor the performance all the 24/7 time and it is more convenient to user |
| NFR-5 | **Availability** | Availability of free service and moreover it is installation and download free process |
| NFR-6 | **Scalability** | It can withstand over a long period of time, easily usable product and utilisation of more technologies |
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