Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID23214 |
| Project Name | Project – Real Time River Water Quality Monitoring  And Control System |
| 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 Registration through mobile call |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP  Confirmation via Message |
| FR-3 |  |  |
| FR-4 |  |  |

# 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** | 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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