# Project Design Phase-II

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

|  |  |
| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID06413 |
| Project Name | Real-Time River Water Quality Monitoring and Control  System |
| 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 Requirements | Monitoring river water quality, water flow, humidity, and temperature to control the algal bloom |
| FR-2 | User Registration | Manual Sign-Up using a Website or Gmail |
| FR-3 | User Confirmation | OTP authentication through phone, email, and confirmation |
| FR-4 | Payments options | Bank transfers, credit cards, debit cards, and ATMs with UPI |
| FR-5 | Product Delivery and installation | Take away Free Installation and 1 year Warranty |
| FR-6 | Product Feedback | Through a website, a phone conversation, and Gmail |