

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

Date	03 October 2022
Team ID	PNT2022TMID42484
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.

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	User Installation order	Order via the website Order via mobile application
FR-4	Bill settlement	Bill settlement via UPI, Net Banking
FR-5	Product Installation	Installation proofs and Installation Charge proof
FR-6	Demo run	Demo run proof

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Should be used carefully, should not over heat the product
NFR-2	<b>Security</b>	Has enough security, Maintenance from physical damages
NFR-3	<b>Reliability</b>	Good Maintenance provide good reliability
NFR-4	<b>Performance</b>	Should provide good performance with good gain
NFR-5	<b>Availability</b>	Should be made with less expensive available products
NFR-6	<b>Scalability</b>	No of times the device run per day