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

Team ID	PNT2022TMID30644
Project Name	IOT Based 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 Login	Password verification for confirmation
FR-2	View Water Details	View current water information on the website. On the website, you can check your eligibility for traditional water.
FR-3	Logout	The user is successfully logged out.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The loading time for user interface screens should not exceed 2 seconds.
NFR-2	**Security**	The password for the user account is

		Only after email verification is an account created.
NFR-3	**Reliability**	Users can access their accounts without issue 98% of the time.
NFR-4	**Performance**	The loading time for user interface screens should not exceed 2 seconds. Within 10 seconds, the login information was validated.
NFR-5	**Availability**	The maximum downtime will be approximately 4 hours.
NFR-6	**Scalability**	At any given time, the system can handle approximately 1000 users.