ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	12October2022
Team ID	PNT2022TMID42440
ProjectName	IOT Based Real-time River Water Quality Monitoring and Control System
MaximumMarks	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	Confirmation through verified password
FR-2	View Water Details	View current water details in website View traditional water eligibility in website
FR-3	Logout	Logs out the user successfully

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Load time for user interface screens shall not be more than 2 seconds.
NFR-2	**Security**	User account is password protected Account creation done only after email verification
NFR-3	**Reliability**	Users can access their account 98% of the time with out failure
NFR-4	**Performance**	Load time for user interface screens shall not be more than 2seconds. Login info verified within 10 seconds.
NFR-5	**Availability**	Maximum down time will be about 4hours
NFR-6	**Scalability**	System can handle about 1000 users at any given time