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

Date	27 October 2022
Team ID	PNT2022TMID47383
Project Name	Real-time River Water Quality Monitoringand Control System

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	Users Authorization levels	Complete mapping is given in a hierarchical manner in order to show only the specific Data
FR-4	Historical Data	The Data are stored in the cloud from the beginning Stage till the Updating.
FR-5	Users' rules and laws	There are some specific guidelines which has to be followed by the users.
FR-6	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**	The model is designed in a secured manner in order to maintain the privacy
NFR-3	**Reliability**	Users can access their account 98% of the time without failure
NFR-4	**Performance**	High quality sensors are used to ease the customer's work
NFR-5	**Availability**	Maximum down time will be about 4 hours
NFR-6	**Scalability**	The System are Scaled according to the size of the water body (varies)