

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

Date	11 October 2022
Team ID	PTN2022TMID32705
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 Registration To track the River Water Quality	Fill the form with your gmail login or through mobile app to register yourself
FR-2	User Confirmation	Confirmation through OTP Confirmation through the password verification
FR-3	User Sign-UP	Type a strong password to log in.password should have more than 8 characters.
FR-4	View Water Details	View water details from website View water strategy details in website show in percentage to understand easy as well as faster notification from regular interval of time to monitor the water from the website
FR-5	Sign out	Log 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	User interface page takes not more than two seconds.It is a user friendly Monitoring
NFR-2	Security	User account is password protected Account creation done only after email verification
NFR-3	Reliability	User can access thier account 97..6% of time without failure
NFR-4	Performance	Lpload time for user screen shall not be more than 2 seconds Login information verified within 10 seconds
NFR-5	Availability	It can be accessible from any locations
NFR-6	Scalability	The system can support more users concurrently .