

FUNCTIONAL REQUIREMENT

DATE	19 October 2022
TEAM ID	PNT2022TMID13132
PROJECT NAME	Real time river water quality monitoring and control system
MAXIMUM MARKS	4 MARKS

Functional Requirement :

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 Assurance using a confirmed password
FR-2	View Water Detail	On the website, you can view current water information and traditional water eligibility.
FR-3	Logout	Logs out the user successfully

Non-Functional Requirements :

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The maximum load time for user interface screens is 2 seconds..
NFR-2	Security	password-protected user account Account creation is only carried out following email confirmation

NFR-3	Reliability	98% of the time, users may access their accounts without any issues Assurance for aquaculture safety
NFR-4	Performance	Set interface screen loads cannot take more than two seconds. Within 10 seconds, login information was validated
NFR-5	Availability	About 4 hours will be the maximum downtime.
NFR-6	Scalability	The system can manage approximately 1000 users at once