REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM USING IoT

Submitted by

SWATHI.A.P   (113219041120)

SOWMYA.A   (113219041114)

MADHUMITHA.S   (113219041060)

KOKILA.B   (113219041053)

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION DEPARTMENT

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

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Team ID	PNT2022TMID23523
Project Name	IOT Based Real-time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

<u>Functional Requirements:</u>

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

<u>Non-functional Requirements:</u>

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 without failure
NFR-4	**Performance**	Load time for user interface screens shall not be more than 2 seconds. Login info verified within 10 seconds.
NFR-5	**Availability**	Maximum down time will be about 4 hours