

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

Date	17 October 2022
Team ID	PNT2022TMID40434
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	Registration through Mobile no Registration through Gmail
FR-2	User Confirmation	Confirmation via OTP Confirmation via Email
FR-3	View current status of river water	View river water quality in the website
FR-4	Reporting issue	User can report the issue in the website
FR-5	Feedback	User can feedback their thoughts in the website
FR-6	Sign out	User can sign out successfully

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	the website should be user friendly and easy to use
NFR-2	Security	Strong firewall used to protect the user password and data
NFR-3	Reliability	Both the hardware and software work without failure while processing
NFR-4	Performance	The request should be accept in a few second and allow user to use
NFR-5	Availability	It should be available for the user whenever they need
NFR-6	Scalability	It should work without negative issue and maintain website traffic