

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

Date	26 October 2022
Team ID	PNT2022TMID17661
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	<b>Usability</b>	the website should be user friendly and easy to use
NFR-2	<b>Security</b>	Strong firewall used to protect the user password and data
NFR-3	<b>Reliability</b>	Both the hardware and software work without failure while processing
NFR-4	<b>Performance</b>	The request should be accept in a few second and allow user to use
NFR-5	<b>Availability</b>	It should be available for the user whenever they need
NFR-6	<b>Scalability</b>	It should work without negative issue and maintain website traffic