

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

Date	03 October 2022
Team ID	PNT2022TMID49669
Project Name	Real time river water quality monitoring and controlling system

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 Form Registration through GMAIL
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Dashboard	Can access the dashboard

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	To alert us to current ,ongoing,and emerging problems,to determine compliance with drinking water standards,and to protect other use of water.
NFR-2	Security	Clean water supports a diversity Of plants and wildlife.Though it may seem unrelated at first ,our Actions on land affect the quality of our water.
NFR-3	Reliability	An IOT water meter tracks the quality ,pressure,and consumed quantity of water in a household or industry.
NFR-4	performance	Appropriate use of IOT devices will support near real time data collection and analysis that will lead to better.
NFR-5	Availability	Clean water supports a diversity of plants and wildlife.
NFR-6	Scalability	One of the most common and most locked for bacteria,which Comes from fecal matter exposure and can result in serious health issues when consumed.