

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID49864
Project Name	Project - Efficient water quality analysis and prediction using machine learning
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 Form Registration through Gmail Registration through Phone Number
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	For detecting the water quality standards like PH and turbidity level.
NFR-2	Security	Manage the safety and security of drinking water services.
NFR-3	Reliability	The system is more reliable because of it is system adequacy and system security.
NFR-4	Performance	High performance because of the system efficiency.
NFR-5	Availability	High availability because it allows continuous functioning.
NFR-6	Scalability	More number of users can be access the data.