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

Date	13-10-2022
Team ID	PNT2022TMID48692
Project Name	Project – Real Time 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)
1.	Users Authorization levels	Complete mapping given in a hierarchical manner in order to show only the specific Data.
2.	Historical Data	The Data are stored in the cloud from the beginning stage till the Update.
3.	User Authentication	The credentials accessible only to the authorized users to access the model
4.	Users rules and laws	There some specific guidelines which has to be followed by the users.

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
1)	Usability	The Final data should be easily understandable .
2)	Security	The model designed in a secured manner in order to maintain the privacy
3)	Reliability	Even if there is a firmware issues (failures) the last updated Data's are stored in a Default manner.
4)	Performance	High quality sensors are used to ease the customers work.
5)	Availability	The model designed in such a way that are available, usable and can be modified anytime.
6)	Scalability	The System are Scaled according to the size of the water body (varies)