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

Date	12-10-2022
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)
FR-1	Users Authorization levels	Complete mapping are given in a hierarchical manner in order to show only the specific Data.
FR-2	Historical Data	The Data are stored in the cloud from the beginning stage till the Updation .
FR-3	User Authentication	The credentials is accessible only to the authorized users to access the model
FR-4	Users rules and laws	There is some specific guidelines which has to be followed by the users.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Final data should be easily understandable .
NFR-2	**Security**	The model are designed in a secured manner in order to maintain the privacy

NFR-3	**Reliability**	Even if there is a firmware issues (failures) the last updated Data’s are stored in a Default manner.
NFR-4	**Performance**	High quality sensors are used to ease the customers work.
NFR-5	**Availability**	The model are designed in such a way that are available ,usable and can be modified anytime.
NFR-6	**Scalability**	The System are Scaled according to the size of the water body (varies)