

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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Team ID	PNT2022TMID10541
Project Name	Real Time Water Quality MonitoringAnd Control System

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 thebeginning Stage till the Update .
FR-3	Users rules and laws	There is some specific guidelines which has to befollowed by the users.
FR-4	User Authentication	The credentials is accessible only to the authorizedusers to access the model.

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