

Project Design Phase-II

Solution Requirements (Functional & Non- functional)

Date	15 October 2022
Team ID	PNT2022TMID21819
Project Name	Project – Real Time Water Quality Monitoring And Control System
Maximum Marks	4 Marks

Functional Requirements of the proposed solution:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Users Authorization levels	Complete mapping are shown in a hierarchical manner in order to show only the specific Data.
FR-2	Historical Data	The datas collected are stored in the cloud from the starting stage till updation is completed.
FR-3	User Authentication	The credentials is accessible only to the authorized users to access the model.
FR-4	Users rules and laws	There are some specific guidelines and procedures which has to be followed by the users.

Non-functional Requirements of the proposed solution:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Final data should be easily understandable.
NFR-2	Security	The model are designed in a safe and secured manner inorder to maintain the privacy.
NFR-3	Reliability	Even if there is any firmware issues (failures) the last updated datas are stored in a default manner.
NFR-4	Performance	High quality sensors are used to provide accurate datas.
NFR-5	Availability	The model is designed in such a way that are available ,usable,accesible and can be modified anytime.
NFR-6	Scalability	The system is scaled according to the size of The river(water bodies).