

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

Date	15 October 2022
Team ID	PNT2022TMID16068
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	<b>Usability</b>	The Final data should be easily understandable.
NFR-2	<b>Security</b>	The model are designed in a safe and secured manner inorder to maintain the privacy.
NFR-3	<b>Reliability</b>	Even if there is any firmware issues (failures) the last updated datas are stored in a default manner.
NFR-4	<b>Performance</b>	High quality sensors are used to provide accurate datas.
NFR-5	<b>Availability</b>	The model is designed in such a way that are available ,usable,accesible and can be modified anytime.
NFR-6	<b>Scalability</b>	The system is scaled according to the size of The river(water bodies).