Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Login	Confirmation through verified password
FR-2	User Authorization levels	Confirmation via Email, Confirmation via OTP
FR-3	Historical Data	The Data are stored in the cloud from the beginning stage till the updation
FR-4	User Authentication	The credentials is accessible only to the authorized users to access the application
FR-5	User Rules and laws	There is some specific guidelines which has to be followed by the users
FR-6	Logout	Logs out the user successfully.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The final output should be understandable
NFR-2	**Security**	The application is designed in a secure manner to maintain privacy of the user.
NFR-3	**Reliability**	Even if there is any hardware issues the last updated data's are stored in default manner
NFR-4	**Performance**	High hardware components are used which provide meticulous performance
NFR-5	**Availability**	The model is designed in such a way that are available, usable and could be modified anytime
NFR-6	Scalability	The system is scaled depending on the size of the water body.