

## **Project Design Phase-II**

### **Solution Requirements (Functional & Non-functional)**

Date	22-10-2022
Team ID	PNT2022TMID34532
Project Name	Real time- River Water Quality Monitoring and Control System
Marks	

#### **Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	User Registration	Registration via Email Registration via Phone number
FR-2	User Confirmation	Confirmation via Email Confirmation via Mobile OTP
FR-3	Personal information	Follow the details displayed in the application
FR-4	Security	Password and Verification process

#### **Non-functional Requirements:**

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

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	Used to find the quality of water, pH value and temperature
NFR-2	<b>Security</b>	It has high privacy security configuration
NFR-3	<b>Reliability</b>	The app displays the quality of water with random outputs
NFR-4	<b>Performance</b>	It gives accurate value with user friendly process
NFR-5	<b>Availability</b>	The app will be available in the play store or web
NFR-6	<b>Scalability</b>	We can increase the performance features of the app