

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

Date	15 October 2022
Team ID	PNT2022TMID06413
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Requirements	Monitoring river water quality, water flow, humidity, and temperature to control the algal bloom
FR-2	User Registration	Manual Sign-Up using a Website or Gmail
FR-3	User Confirmation	OTP authentication through phone, email, and confirmation
FR-4	Payments options	Bank transfers, credit cards, debit cards, and ATMs with UPI
FR-5	Product Delivery and installation	Take away Free Installation and 1 year Warranty
FR-6	Product Feedback	Through a website, a phone conversation, and Gmail