

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	14 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project-Iot Based Real Time River Water Quality 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 Requirement	River Water Protection using pH and Humidity
FR-2	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-3	User Confirmation	Confirmation Via Email Confirmation Via OTP Confirmation Via SMS
FR-4	Payment Options	Credit, Debit and ATM Card Cash on delivery UPI/QR Code
FR-5	Product Delivery and Installation	Free Installation
FR-6	Product Feedback	Through GoogleForm Through WebPage

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Monitoring provides the objective evidence necessary to make sound decisions on managing water quality today and in the future
NFR-2	Security	It is secured for the customer as the quality of water is detected frequently.
NFR-3	Reliability	The customer could use the userguide provided to overcome the problem or else they can contact the corporation.
NFR-4	Performance	Used to detect the quality of water in frequent intervals.
NFR-5	Availability	When it fails to alert every individual we have sent a notification to the corporation which alerts the

		entire region.
NFR-6	Scalability	It has a good scalability because it prevent the people from diseases.