

# Brainstorm & Idea Prioritization

Date  
Team ID  
Project Name

19 September 2022  
PNT2022TMID12872  
Real-Time River Water Quality Monitoring  
and Control System

Maximum Marks

4 Marks

## Merits

Consists of multiple sensors for better Accuracy	Less ManPower	Reduce the time to check the parameter
Economically Affordable	More suitable to Monitor	Checks the water Nature of River Water
Encryption and Decryption Enabled	Data Integrity and Security	Conventional Method for Analysis

## Technology

Modern Sensors	Arduino UNO as Processor	Remote Data Access
Monitor Water Quality	Thingspeak Cloud	Web Based App
Water Computing Structure Using IoT	Wireless Data transfer	Wireless Sensor Network Include mC

## Features

Water Quality Monitoring System	Measures Chemical & Physical Properties	pH and Temp Measurement
Manually Controlled Device	Collect Data From Sensors	Monitor and Send Notification to Supervisor
Consistency is possible	Prevention from Disease	More Accurate

## Content

Consumes less time	Cost Efficient	Long period performance
Needs less data	Streaming Analysis	Conventional Method of Analysing
Wireless Data	Networking	Mobile data access