

Project Design Phase-I

Proposed Solution

Date	26 September 2022
Team ID	PNT2022TMID10102
Project Name	Real-time River Water Quality Monitoring System
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Proposed Statement (Problem to be solved)	To detect the paper proposes of sensor-based water quality monitoring system.
2.	Idea / Solution Description	To protect, restore, and enhance environmental quality towards good public health, environmental integrity, and economic viability.
3.	Novelty / Uniqueness	The uniqueness of our proposed paper is to obtain the water monitoring system with high frequency, high mobility, and low powered.
4.	Social Impact / Customer Satisfaction	it will monitor the ph level of water
5.	Business Model (Revenue Model)	Monitors water quality on a near real-time basis with data available from 30 day graphs.
6.	Scalability of the solution	The system consists of several sensors which is used to measure physical and chemical parameters of the water. The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system,

