Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID48692
Project Name	Project -REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
	Problem Statement (Problem to be solved)	Monitoring and controlling the quality of the river water
	Idea / Solution description	1.To measure water parameters such as Ph, dissolved oxygen, turbidity, conductivity etc. Using available sensors at a remote place. 2.To assemble data from various sensor nodes and send it to the base station by wireless channel. 3.To send SMS to an authorized person.
	Novelty / Uniqueness	Arduino And Sensor Based Water Parameters Monitoring which identifies biological and chemical changes in water
	Social Impact / Customer Satisfaction	Localities will not suffered by poor quality of water by alerting them when the water quality is not good.
	Business Model (Revenue Model)	The monitoring system could be sold in the market for the purpose of testing water quality.
	Scalability of the Solution	The model could be scaled according to size of the water body about to be tested