

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID07136
Project Name	Real Time River water quality monitoring and Control System

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Most of the water is affected by the industrial wastes and by washing vehicles the engine oil is mix with the river water
2.	Idea / Solution description	Dispose the toxic chemicals and medical waste properly. By finding the pH level we can check the water quality(using smart sensor).
3.	Novelty / Uniqueness	Instead of using battery we are going to use the solar light for the setup as well as detector and wireless sensor are also used.
4.	Social Impact / Customer Satisfaction	*Everyday peoples and animals will drink only the pure water. *Good environment surrounding the river. *The good quality river water is mainly used for farmers.
5.	Business Model (Revenue Model)	After finding the pH value, recycle the water for selling
6.	Scalability of the Solution	The device can use in all kind of river. Major efficiency of device: Easily identify the device because it has a detector