

Project Design Phase-I
Proposed Solution Template

Date	24 September2022
Team ID	PNT2022TMID50089
Project Name	Project – IOT based Real time river water quality monitoring and control
Maximum Marks	2 Marks

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)	Due to the fast growing urbanization supply of safe drinking water is challenge for the every city authority. So the water we reserved in the water tank at our roof top or basement in our society or apartment may not be safe. And we can check the quality of the water anytime and anywhere.
2.	Idea / Solution description	The key team of the project was to develop an efficient cost effective which will integrate wireless sensor network and internet of things.
3.	Novelty / Uniqueness	In this project, we depict of wireless sensor network that assists to monitor the quality of water with the support of information sensed by the sensor dipped in water.
4.	Social Impact / Customer Satisfaction	One of the reason for this happening is the ignorance of public and administration and the lack of water quality monitoring system which makes serious health issues.
5.	Business Model (Revenue Model)	In complex engineering business, it is useful to consider a OPEX model rather than a CAPEX model.
6.	Scalability of the Solution	The ph level of the water is measured using the sensor.