

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID46174
Project Name	Real time River water quality monitoring and control system
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)	The pollution of water Resource is a major threats to human life. Some chemical are present in water causes diseases to human and animals.
2.	Idea / Solution description	Polluted water can be sent to water treatment plant .Real time data access can be done by using remote monitoring and IOT technology.
3.	Novelty / Uniqueness	Measuring the Temperature and PH meter of water. This technology can automatically monitor the water quality. Water detection sensor has a unique advantage.
4.	Social Impact / Customer Satisfaction	River pollution can impact all living beings. Better monitoring and control measure can impact vegetation, health. The system can control water quality automatically and does not require People on duty.
5.	Business Model (Revenue Model)	This method is very adaptable. As a result water quality testing will be more cost effective,convenient and quick.
6.	Scalability of the Solution	It uses cloud storage for security purpose and backup the data any time .So it is user friendly and easy to handle . Add new sensor to monitor other parameters also.