

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID14819
Project Name	Project – Real time 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)	To develop a self-reliable real time river monitoring and control system.
2.	Idea / Solution description	Using probe to monitor various level of contamination in the water. Using the same probe to collect the waste.
3.	Novelty / Uniqueness	The solution does not exist, and existing other solutions does not include warning systems which includes flood warning.
4.	Social Impact / Customer Satisfaction	Helps to reduce crop losses due to water contamination, spread of water borne diseases, maintain good water ecosystem and faster evacuation during flood times. Its design makes it suitable for almost all environmental conditions.
5.	Business Model (Revenue Model)	Using a self-reliable probe and sensors to achieve this.
6.	Scalability of the Solution	Sustainability. This can be mass produced