

## Project Design Phase-I

### Proposed Solution

Team ID	PNT2022TMID29705
Maximum Marks	2 Marks

#### Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Quality of river water is degraded by runoff from farmlands, livestock ,industries and nutrient rich environment leads algal bloom that results in Eutrophication
2.	Idea / Solution description	Measure the water parameters like Flow, Turbidity, Total dissolved solids(TDS),Temperature, Dissolved oxygen and pH level of water and check whether it is in specified standard levels.
3.	Novelty / Uniqueness	By using IoT Technology, a web based application monitors the quality of river water and alerts through notification if there is any threats.
4.	Social Impact / Customer Satisfaction	By monitoring and controlling the quality of water we can quench the thirsty throats and maintain aquatic culture
5.	Business Model (Revenue Model)	Water quality sensors from NKE Instrumentation, Pipe Scan water quality monitoring system and Underwater Wireless Sensor Network
6.	Scalability of the Solution	Real time continuous monitoring makes a better system for water quality monitoring and the water resources can be made safe by immediate response