Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID30125
Project Name	Project- Real water quality monitoring system
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem statement of real water quality monitoring system is how to maintain the fresh water and avoid how to maintain sustainable life of aquatic animals and for agriculture problem
2.	Idea / Solution description	The solution statement is used to remove all the germs and bacteria used filterizer and used to sensor to watch the correct level of all water parameters
3.	Novelty / Uniqueness	Monitors water quality on a near real-time basis with data available from 30 day graphs. After each deployment, a brief report describing water quality events and conditions at each site is prepared by the Environmental Scientists.
4.	Social Impact / Customer Satisfaction	The customer and social impact of real water quality monitoring system is very useful of social resources and it is very economically and growthly used
5.	Business Model (Revenue Model)	The aim of the company is designing, manufacturing and selling instruments for the measurement and the monitoring of oceans and fresh waters. The top one priority of NKE Instrumentation is to be involved in the understanding of the blue lung of the planet by developing smart high-tech products. The fields of applications are rivers, lakes, estuaries, oceans and deep sea.
6.	Scalability of the Solution	The main hardware of the system consists of off-the-shelf electrochemical sensors, a microcontroller, a wireless communication system and the customized buoy. It detects water temperature, dissolved oxygen and pH in a pre-programmed time interval. The developed prototype disseminates the gathered information in graphical and tabular formats through a customized web-based portal and preregistered mobile phones