

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID10672
Project Name	Project - Efficient Water Quality Analysis & Prediction Using Machine Learning
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 problem which we are going to solve is that the people want to consume the quality water and that is taken care.
2.	Idea / Solution description	We are using the machine learning technique to find and predict that the water is in the quality to consume or not. The many parameters are used to determine the quality.
3.	Novelty / Uniqueness	The more accurate results are maintained by using the model evaluation technique.
4.	Social Impact / Customer Satisfaction	Helps people to better categorise the available water for various usage depending upon the analysis for which water conservation can be practised
5.	Business Model (Revenue Model)	Industries that provide sanitation facilities and products (like water purifiers, quality testers, etc..) can deploy this solution to provide more waste water treatment plants, better insights in health concerns and there may also be an increase in awareness and demand for better water quality and availability. People will start looking for treatments related to water borne diseases as the awarenesss increases.
6.	Scalability of the Solution	This system is enriched with all the testing environment, it is scalable to test all the water available in the globe.