

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID18285
Project Name	Efficient Water Quality Analysis and 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)	Efficient Water Quality Analysis & Prediction Using Machine Learning
2.	Idea / Solution description	Dataset has to be pre-processed and suitable ML algorithm has to be applied and it has to be fine tuned to improve the accuracy.
3.	Novelty / Uniqueness	After pre-processing the imported dataset, instead of traditional ML algorithm, AutoML is applied and fine tuned to improve the accuracy.
4.	Social Impact / Customer Satisfaction	By adopting this method, people come to know the content present in the water they use and they find it safe.
5.	Business Model (Revenue Model)	This method has the benefit of reusing the water by analysing the content present in that water.
6.	Scalability of the Solution	Further after analysing the content present in the water, sufficient nutrients can be added which lacks in the water..