

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID49864
Project Name	Efficient Water Quality Analysis and Prediction Using Machine Learning
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Water is considered as a vital resource that affects various aspects of human health and lives. The quality of water is a major concern for people living in urban areas.
2.	Idea / Solution description	This project aims at building a machine learning model to predict a water quality by considering all water quality standard indicators.
3.	Novelty / Uniqueness	The proposed system is intended to determine portability. It is of two phases namely training and testing. Working on past historical data.
4.	Social Impact / Customer Satisfaction	The quality of water services as a powerful environmental determinant and a foundation for the prevention and control of water borne diseases.
5.	Business Model (Revenue Model)	This model should be licensed by the machine learning as well as data analytics and make more impression among the people.
6.	Scalability of the Solution	A system that scales well will be able to maintain or increase its level of performance even as it is tested by larger than its operational demands.