Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID10904
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	People need to analyse the quality of water before using it for various purpose.
2.	Idea / Solution description	Massive dataset and strong correlation between parameters will make the best prediction.
3.	Novelty / Uniqueness	Accurate model can be selected based on the outcome in the model evaluation
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)	Machine Learning model can be implemented which is capable of integrating linear and non-linear relationships in dataset.
6.	Scalability of the Solution	Feature selection helps to simplify the procedure and reduce computational cost of analysis