EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION USING MACHINE LEARNING

PROBLEM STATEMENT:

We are going to implement a water quality prediction using machine learning techniques. In this technique, our model predicts that the water is safe to drink or not using some parameters like PH value, conductivity, hardness, etc. Access to safe drinking-water is essential to health, a basic human right and a component of effective policy for health protection. This is important as a health and development issue at a national, regional and local level. In some regions, it has been shown that investments in water supply and sanitation can yield a net economic benefit, since the reductions in adverse health effects and health care costs outweigh the costs of undertaking the interventions.

Who does the problem?	People who are drinking impure water.
What is the issue?	Poor quality of potable, domestic use , or even recreational water due to contamination can lead to human illness.
When does the issue occurs?	Contact with suspended materials and elements such as sand, boulders and biological matter in rivers ,streams and lakes causes water to become undrinkable a non-pure water.

Where is the issue occurring?	The issue is occurs when the person is unable to drink the pure water.
Why is it important that we fix the problem?	By solving this issue, people who drinking impure water can drink pure water.