NALAIYATHIRAN

TEAM ID	PNT2022TMID24072
PROJECT TITLE	Efficient Water Quality Analysis and Prediction using Machine Learning
TEAM LEAD	E.Sai Sree Harsha
TEAM MEMBERS	Ch.Pavan Kalyan, V.Hariharan, K.S.Kingson

PROBLEM AND STATEMENT:

Problem: One in nine people worldwide uses drinking water from unimproved and unsafe sources. 2.4 billion people live without any form of sanitation.

I.Water is one of the most essential for the existence of life. The safety and accessibility if drinking-water are major concerns throughout the globe.

II.Water makes up about 70% of the surface and is one of the most important sources vital to sustaining life.

III.Water quality has been conventionally estimated through expensive and time consuming lab and statical analysis.

IV.This system is proposed to check the water quality and warm the user before water gets contaminated using Machine Learning

IDEA

Temperature suited with 52-70 degree is healthy

Biosensor method to detect the bacteria and virus

Hardness is measured caused by calcium &magnesium

Ph level of 7 is consider as pure water

Turbility measurement

Using ppm using

Memberance filtration to remove the impurities

Dissolved oxygen meter can measure the concentration

Color of water decayed from organic matter

IDEA u

Temperatu
suited with
70 degree
healthy

Using ppm amount of minerals

Biosensor method to detect the bacteria and method

Membe
filtrat
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impu

Color of wate
decayed fror
organic matt

Quali
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