

This document combines a problem statement and a design thinking approach for addressing water quality analysis:

Title:

Water quality Analysis in Tamil Nadu

Introduction:

This document outlines a comprehensive approach to addressing the problem of poor Water quality through the application of design thinking principles. We aim to understand and improve Water quality analysis methods to protect the environment and public health.

Design Approach:

We propose applying design thinking principles to address the water quality analysis problem comprehensively.

Problem Statement:

World is being surrounded by 3/4th of the water surface and it is essential for all humans and living organisms. Quality of water is unstable. water can be polluted at any time and water quality testing is so expensive and a huge wastage of water. With this initiative, we start a machine learning algorithm to estimate the quality of water.

Idea:

Our model predicts that the water is safe to drink or 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.

Buisness Model:

Water is one of the essential components for human living. Water quality as a direct impact of public health and the environment. Water quality models have different information but generally have the same purpose, which is to provide evidentiary support of water issues and understand the material need. Apply for carbon Finance.

Conclusion:

This document has presented a design thinking approach to address the pressing problem of poor Water quality analysis. By empathizing with affected communities, defining

the problem, ideating innovative solutions, and prototyping a user-friendly mobile app, we aim to contribute to better water quality management and public health. This document combines a problem statement related to water quality analysis with the application of design thinking principles to propose an innovative solution. It provides a structured and comprehensive approach to tackling the problem of poor water quality