



Clean Water and Sanitation

25-03-2022

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Overview

This project aims at increasing awareness among people about the water they have in their surroundings

by giving them a hands-on experience. Thus, making them more involved in the process and taking action

for nature.

Goals


1. Spread awareness regarding the standard of water you can consume.
2. To provide a hands-on application that can check the quality of water.
3. To make people aware of the quality of water bodies have.
4. To put more pressure on people and the government to clean the polluted water bodies.
5. Make people across the world feel more connected and transparent.
6. To provide people with a way to clean the water using substances they can have access

Specifications

This application will enable normal users to check the quality of water in water bodies and then encourage them to share that data with the whole world. So, that anyone can check water quality of water bodies across the world. This application uses machine learning to perceive through the camera the water and then rates them on a scale of worst to best.

Process of checking and uploading the water quality

This process is very simple. Firstly, take any container and wash it properly so that the container is clean and then let it dry for some time and then take a white paper (white A4 paper will be best) and put it at the bottom of the container. Then scan it through the app



and it will give the water a rating and it will encourage the user to post it on the social media platforms as well. This will increase the awareness regarding the water quality in that locality and also put pressure on the government to clean that body.

How we will ensure the quality of data is correct or not

To ensure the accuracy and reliability of the data that is being uploaded on the application we will build a peer reviewed system. And an option to report the data in case it is seeming false. In that case our team will send our own volunteers to verify the data.