Project Title

CLEAN WATER AND SANITATION

Problem Statement

Clean Water and Sanitation focuses on ensuring the availability and sustainable management of water for all. It aims to provide safe and affordable drinking water, improve water quality by reducing pollution, and promote efficient use of water resources. This goal also supports proper sanitation and hygiene to prevent waterborne diseases. By encouraging conservation, treatment, and responsible distribution of water, it helps protect ecosystems, improve public health, and ensure long-term water security for communities.

Project Team - Robotics & Mech



TEAM 1 - ROBO RANGERS

Team Members

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SDG 6 – Clean Water and Sanitation

SDG Goals

SDG 9 – Industry, Innovation and Infrastructure

Solution

Clean water and sanitation solutions involve providing reliable access to safe drinking water, proper sewage treatment systems, and improved hygiene practices for communities. Some effective solutions include installing community water purification systems such as reverse osmosis and UV filtration units to remove contaminants. Rainwater harvesting systems can also be implemented to collect and store water for domestic use. Building and maintaining proper sewage and drainage systems helps prevent water pollution and the spread of diseases. Promoting the use of eco-friendly toilets and wastewater treatment plants further improves sanitation standards. In addition, conducting awareness programs about handwashing, safe water storage, and hygiene practices plays a crucial role in preventing waterborne illnesses.



