

# Title : BIO-SAND WATER FILTER

## Team Members:

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## Abstract:

Now-a-days need for safe drinking water is high. Drinking of contaminated water causes severe diseases. Through this project water is filtered through natural resources and it is eco-friendly project. It is stated that "water related diseases are the most common cause of illness and death among the poor and developing countries". Therefore the issue of water supply and sanitation areas require attention as they have the potential to cause wide spread illness within the village and surrounding areas. For this reason we believe it to be an important issue, to supply the village with clean drinking water. This can be placed anywhere in household purpose or in case of camp areas. A Bio-sand water filter is appropriate for undeveloped areas which will remove arsenic and pathogens from river, pond, lake, bore and rain water. A laboratory study has been done to evaluate the performance of the bio-sand water filter for various water types. The Bio-sand water filter was found to be effective in removing of 99% Protozoa, 98% Bacteria, 96% Viruses. It will be a great advantage due to high flow rate simple operation, minimum maintenance as well as looking good tasting water coming out from the filter. It will be a permanent solution to the problem of drinking pure water in developed areas.

## Photos:

