

## ECO GREEN LAWN MOVER

Prepared by: Surinshanth Manoharan

# ABSTRACT

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In this project title, that is about to design an economical water filter system that can produce clear and clean water and can be used for daily usage. Water filter system is a device which removes impurities from water by means of a fine physical barrier, chemical process or biological process. Filtration operates entirely on particle or droplet size such that particles below a certain size will pass through the barrier, while larger particles are retained on or in the barrier for later removal.

For this project, have to design an economical water filter system. I will consider the filter medium used and it is economical then the other water filter. Since, I want to produce a clean and clear water, I will try to use a few layer of filter medium to filter the water. The filter medium that I used are active carbon, zeolites, fine sand (0.9 micron), fine gravel and mineral sand. These filter medium have their own effect toward the dirty water.

There are some diagrams and picture have been attached to give more idea and to understand easily of the project and the concept of how it is manufactured and works.