

Automated Irrigation System using Waste Water for Farms

Auto irrigation system is receiving discernible attention as an active system being a step ahead of the current irrigation system because of its unparalleled benefits. However, waste water present nearby our farm is being ignored. Here we can apply direct irrigation system to the farm without wasting a drop of water. The waste water is passed through the filtration process with turbidity test and making the water suitable for irrigation by adding minerals in it. Then the desired amount of water will automatically transfer to the farm after analysing the soil with moisture sensor. This system will utilize the waste water, save the plant and also stop further wastage of water by irrigating the soil according to the requirement of soil. This prototype suggests that integration of current irrigation system with this automatic system will definitely advance the irrigation system. This system is based on install once and forget model with viable technology, so the farmers will not have to worry for running the system. Diagram for the entire process: -

