**Attachment 1:**

The entries should be created based on solving the following specific demands:

1.Waste Water: The  water consumption is high in the experimental instruments in the laboratory rinsing, showering and washing in the apartment, building cleaning, canteen cleaning, squatting tanks cleaning, etc.Part of people don’t desire to save water actively,so whether the participants can strengthen the water management by designing relavant system to help people form a habit of saving water ?

2.Direct emission of the sewage: At present, the school has no water recycling system, and the used water is directly discharged into the sewage pipe network, and the utilization rate of water is not high.

3.Water for green belt sprinkling: At present,the school’s water for green belt sprinkling is from tap water in the form of spray irrigation, which wastes a lot of water to some entent.

4.Direct emission of the waste liquid: Some laboratories discharge hazardous waste liquid into the sewer pipe directly, which leads to the corrosion of the pipeline.

5.Intelligent diagnosis of leakage of pipe network: There is no comprehensive pipe corridor in some areas of the school,so the water-supply pipe network is buried directly underground, so it’s difficult to detect the leakage.

6.Facility wastage: Faucet is used frequently and is prone to get damaged.

7.Water balance test:Employing the professional student team to carry out the water balance test can make sure the water parameters in each water unit to analyze the reasonable degree of water untilization in school.

8.The effect of water-saving propaganda is not ideal: at present, the method of water-saving propaganda is traditional, the propaganda effect is not ideal, if there is a more effective and more attractive original propaganda works and propaganda means?