

# 2018 年臺灣國際科學展覽會 優勝作品專輯

**作品編號** 200015  
**參展科別** 環境工程  
**作品名稱** Auto-control water consumption System  
**得獎獎項** 四等獎

**國 家** Tunisia  
**就讀學校** ATAST Tunisian Association For The  
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## Abstract

By saving water you are saving lives including yours. All of us know that water is an invaluable and priceless gift. We can't dispense it. The consumption of water differentiate from one country to another, we may use over quantities of water, in other countries people are thirsty living under the limits of poverty .It's very important for agriculture, industry even human animals and plants can't live without water. But people are careless, they consume a huge quantities of water in shower, washing car, gardening.... So that we thought to make this brilliant project F.W.S (frugal water system).

This system is connected with you mobile phone by an application that shows you your water consuming and makes you control it. It record in every minute your consumption. This control system helps us to preserve water for the future generation. Besides, it tells you the price that you will pay and warns you if you pass the quantity of water that you should consume in a defined period. So you can also save your water bill. So we have to make this project works to let every person know that he is doing squandering water. With this system we can save planet resources of water.

Finally, the water is as precious as our lives and with frugal water system, we will be able to monitor and control our water consumption. Also be alerted in the event of a leak or flooding.

This project helps us to preserve water, reduce and avoid over-consumption. So we have to stand together against water squandering by making this project works.

## 【評語】 200015

One auto-control water consumption system was developed in this project. This system can be connected with mobile phone to show the water consumption data per minute or per hour. This control system can help people to preserve water and save money. I suggest that this system may be applied to water leakage control or monitoring after some modification.