

2016 Idea Challenge Application

1. Project Name: Save water in the shower

2. Team Members:

Name	Student E-mail Address	Personal E-mail Address	Phone Number	Current Year in School	Major	Primary Contact
Linghong Tang	Linghong_Tang@student.uml.edu	tangxiaomaohh@gmail.com	9782219684	2 nd year	Computer Science	Linghong_Tang@student.uml.edu
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Kaiwen Xu	Kaiwen_Xu@student.uml.edu	1972842806@qq.com	9784215455	2 nd year	Computer Science	Kaiwen_Xu@student.uml.edu

3. Advisor(s)/Mentor(s): (Optional)

Name	E-mail Address	Affiliation
Prof. Guanling Chen	guanling_chen@uml.edu	

4. Questions:

a. Describe your idea/project.

Design a smart shower head to save water in the shower.

b. What type of issue/problem does your idea/project address?

Environmental issue.

c. What is unique about the way your idea/project addresses this problem?

Add a sensor that can calculate water consumption, also come with a smartphone application. These features are not available in the current products.

d. Who will benefit from your idea/project?

Homeowners, Hotels, Dorms, Etc.

e. Where are you in the design or development of this idea/project?

Add a sensor that can calculate water consumption, come with a smart phone application to record water people used.

f. Will you work on pursuing your idea/project after you graduate? Yes No **Maybe** (Check boxes then pop up below questions depending what they answer on the check box)

i. If yes, how can/will your idea/project be sustained beyond the completion of your graduation?

ii. If no, why will you be unable to work on or pursue this idea/project after you graduate?

iii. If maybe, how might your idea/project be sustained after you graduate?

Show our solution to some organizations really care about saving water in our daily life. Maybe cooperate with some companies can help us improve this product.

g. Why is this idea/project important to you?

Water is a vital element for all life forms. In developed countries, water is at the reach of a tap and always available. Compare this to a common situation in Africa, where the closest water source can be a river kilometers away. The water resources protection is our common responsibility, we should start doing small things little by little, like saving water in our daily life.