

“Caring for pets- intelligent feeding appliance driven by web of things”

Project diary

1. Why we do this

When there is no one at home, how can we keep our pets from starving?



2. Project research

(1) Turn to teachers for help

Ask the science teacher Mr Zhang for help. I told him the problem of feeding my hamster when I am out.

Inspired by Mr Zhang, I found the solution. Why not invent an instrument which can automatically feed the hamster punctually and quantificationally.



(2) Found of the research team

When I shared the idea about intelligent feeding appliance, those who have the same problem wanted to offer their help . And together we became teammates.



(3) Hardship and cheer in the research

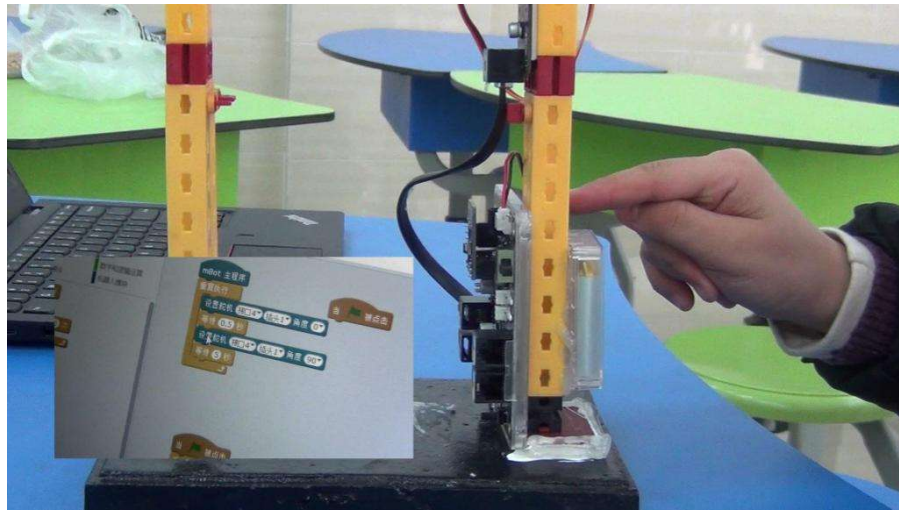
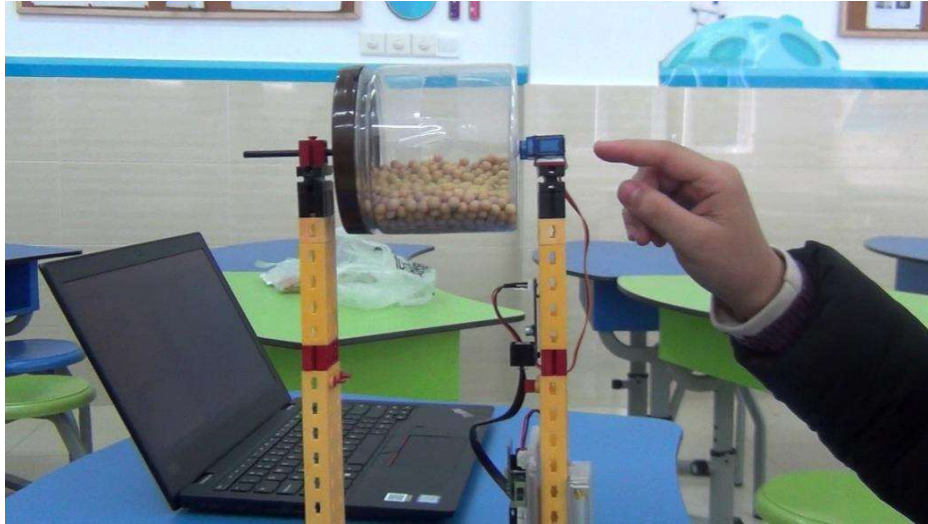


To solve difficulty, we search information on the internet and work together.



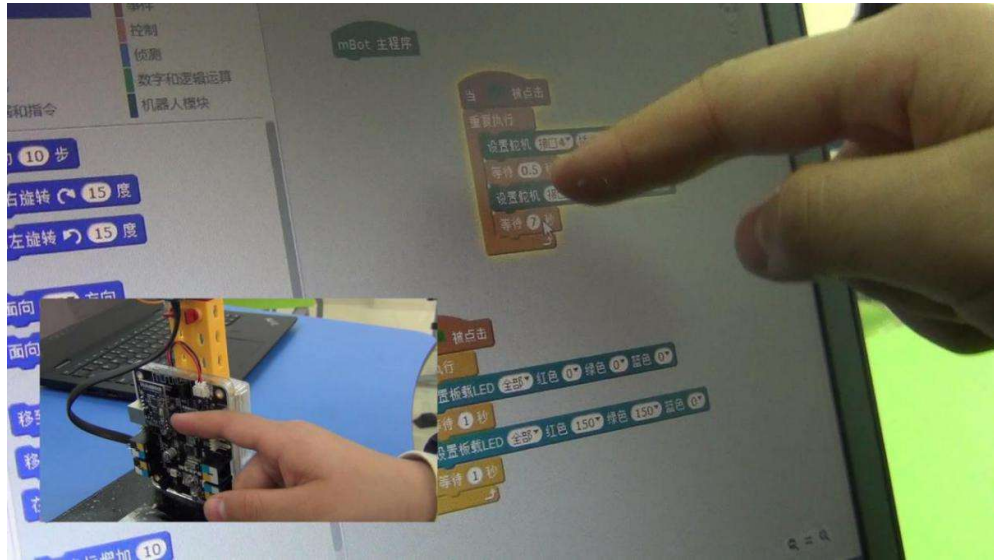
Draw the blueprint, finds problem and solve them.

(4) That is the version 1.0. Put the pet food into a jar. The jar should be placed at an unreachable height to the hamster. Use holders to support the jar. Set an electrical machinery at the bottom. Through the control of main board, the machinery will work according to the time fixed.



To make it work automatically, we need to write programs on the main board. That includes how many times the hamster takes food per day, how much food for each time and how long between each meal.

Besides, the feeding instrument is equipped with wireless network module, which realizes remote control by internet. No matter where you are, with your laptop or your phone, you can control the appliance to feed the pet.





We made it!