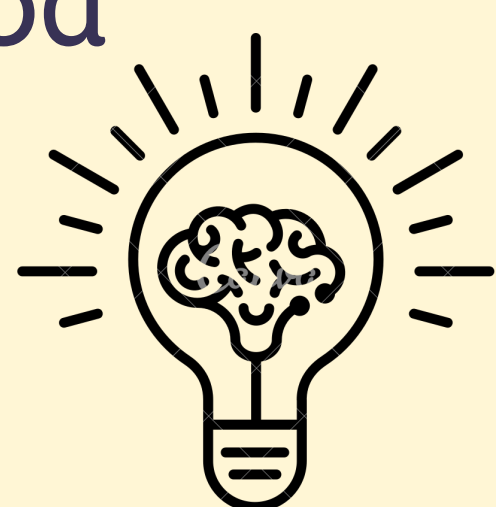


Smart Aquarium With IoT

My Story:



Human population increase very fast. The food quality and supply such fish becomes challenging. We need healthy, big, and good bred fish

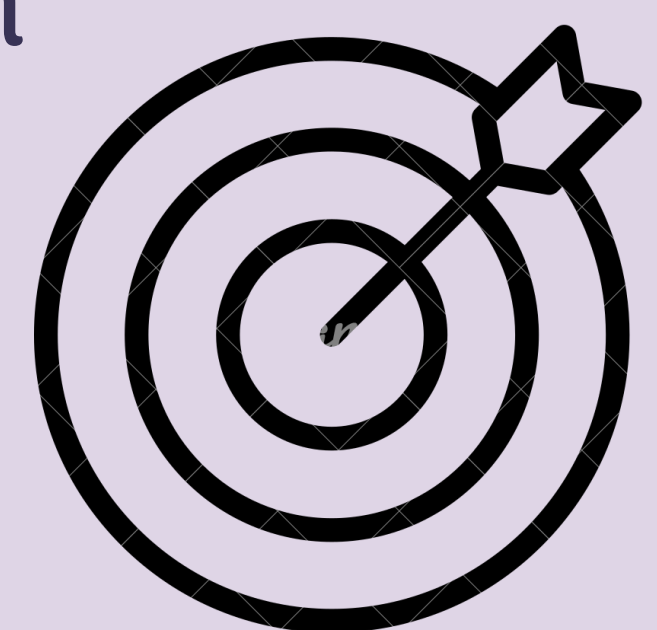


Idea:

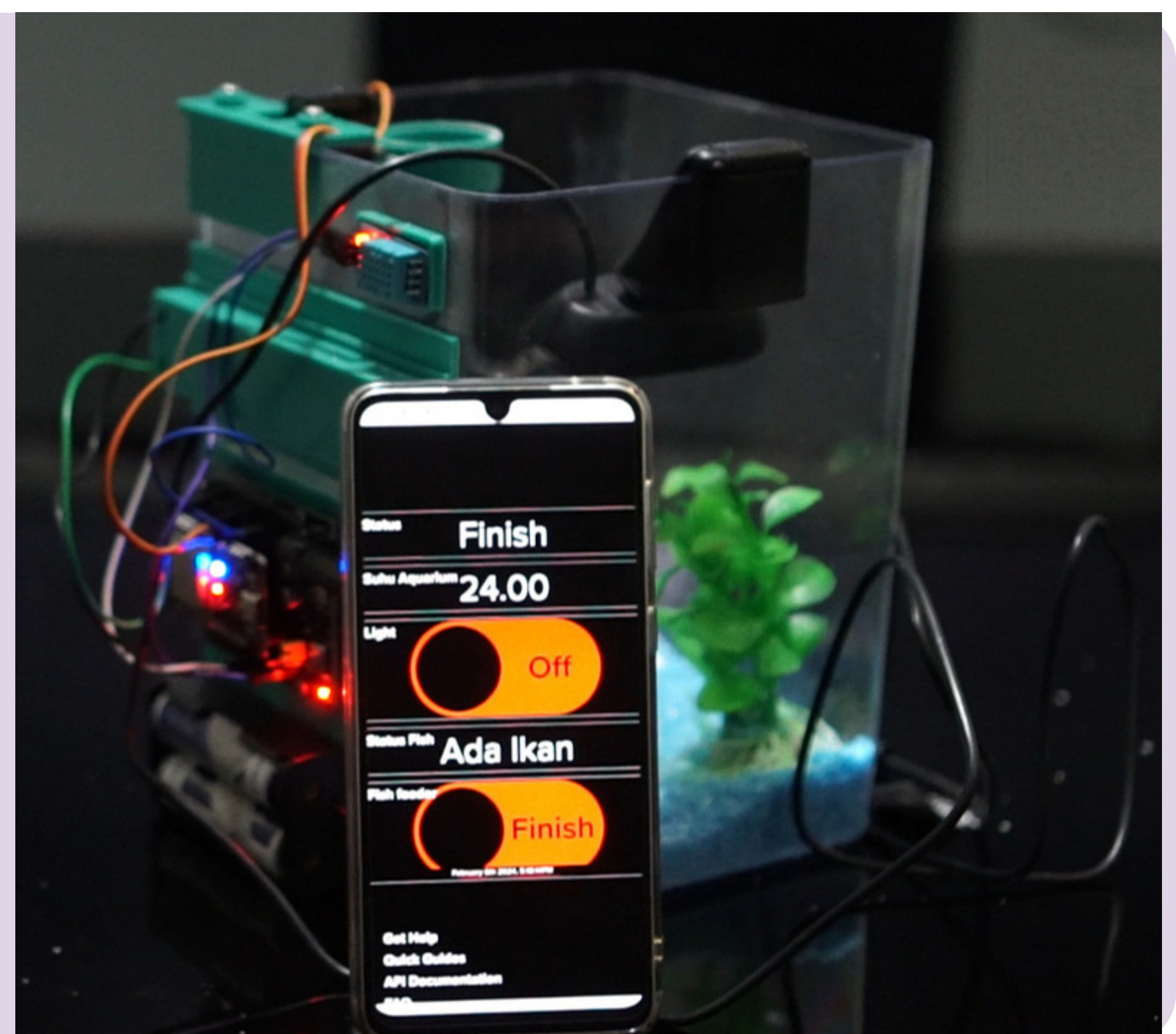
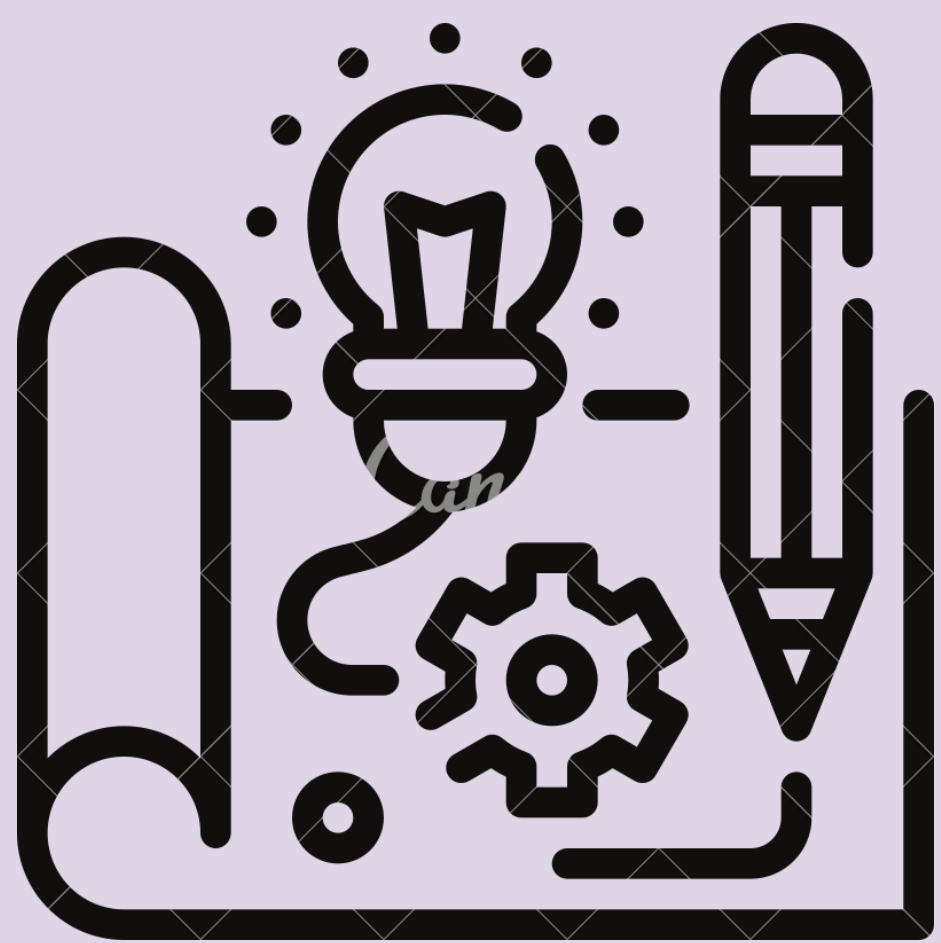
We need a system to increase the productivity and quality of fish

Goal:

- Create a prototype system, that can detect fish, control lightning and temperature, and also feeding schedule
- System detection and controlling using IoT Technology which integrated with smartphone.

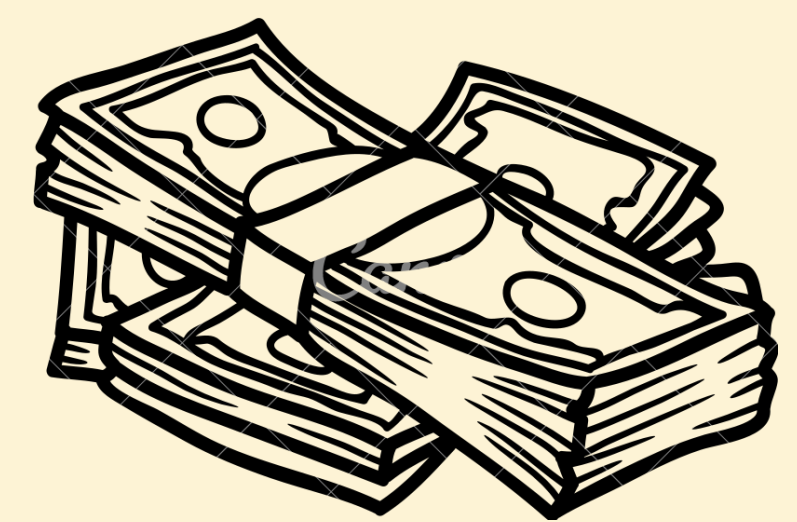


Prototype:



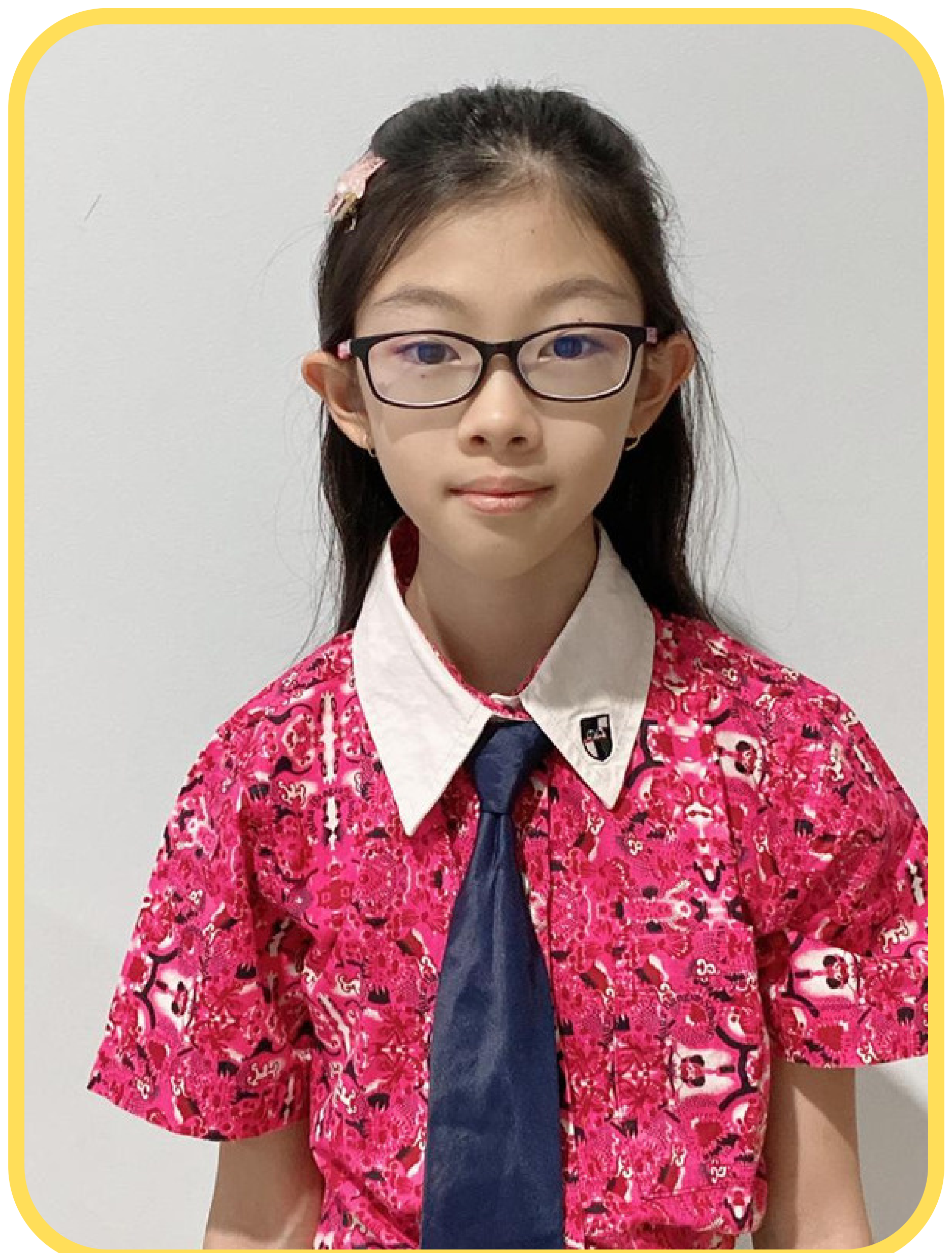
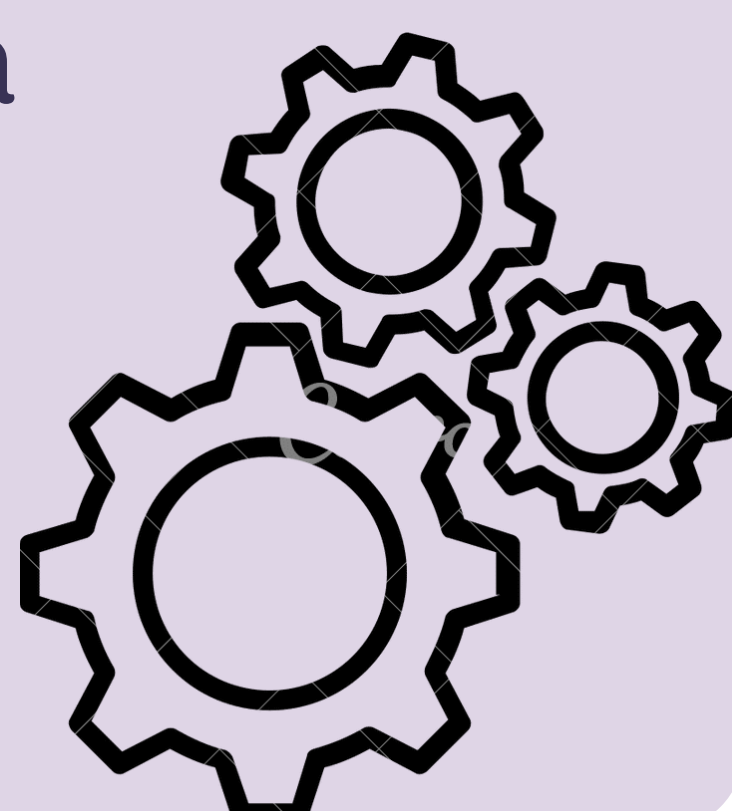
USP

- We can feed fish remotely and scheduled.
- It can detect the temperature via smartphone
- At night time, we can control the lights.
- Using a web cam, we can see the fish through a camera and even show it to another person



Future Development

- Count & detect each fish using chips and sensor
- Replace the surrounding temperature sensor into a water temperature sensor
- Use this technology in wide-range area



By : Jotta Alecia Sudharmadi
Team : Rainbow Rockets

