

# PET FEEDING machine

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This is a automatic pet feeding machine.

automatic fill the pet food bowl and the water bowl by time schooling or through bluetooth control.

Automatic drawer so it will automatically go back when the bowl is empty or the pet leave.

Before filling the food or water, it will check how much pet food or water is left for sake of filling the amount master desired.



A control panel to control if the user want the machine to be automatic or manual. If it is automatic, the control panel will send the signal for machine to fill the food or water.

If we switch it into the manual mode. The machine will only fill the food or water when master send the signal manually.

The control panel will be able to control the amount of water as well as food by multiple level.

## Potential parts:

- Load Sensor - 50kg
- Liquid Level Sensor - 8"
- Several stepper motor
- Bluetooth control

# Timeline

- Week one finish the stepper motor for the drawer as well as the thing that output the food
  - Week two finish the sensor
  - Week three finish the remote control
  - Week four combine everything together to make sure the project works.
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