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PETALING JAYA



IOT SMART FEEDER WITH FOOD QUANTITY MONITORING

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START

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INTRODUCTION

Automatic Pet Feeder is one of the new technologies for feeding pet. It will help pet owner to take care of their pet while they are not at home.

Automatic pet feeder is built to help pet owner take care of their pet by detecting motion from sensor . The food will pour out instantly automatically

Next

PROBLEM STATEMENT

- **Cannot feed pet in time**
- **Cannot feed pet when away for holiday**
- **Quality of food will be bad if it kept in the container for a long time**



Project Objective

- To design IoT smart feeder using the internet of things application that can monitor the quantity of food
- To build hardware that can display the sensor data on the dashboard
- To verify and test the smart feeder with its functionality so that food can be deliver to pet successfully

Next

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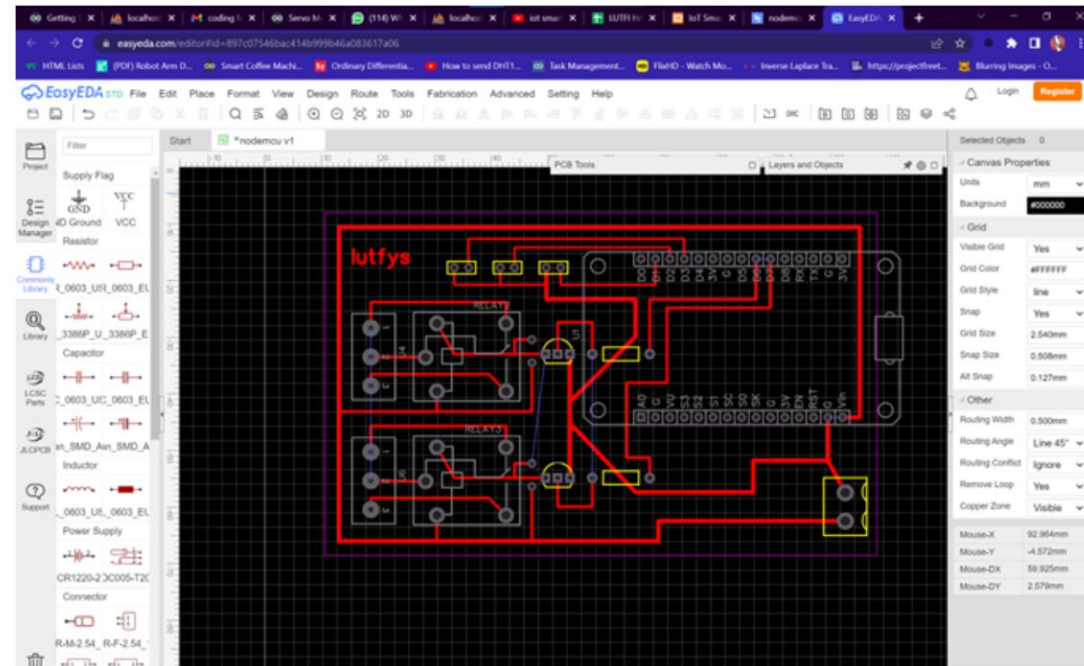
Project Scope

- No longer needs to worry about pet during vacation
- No need to buy Multiple bowl for pet to serve the food

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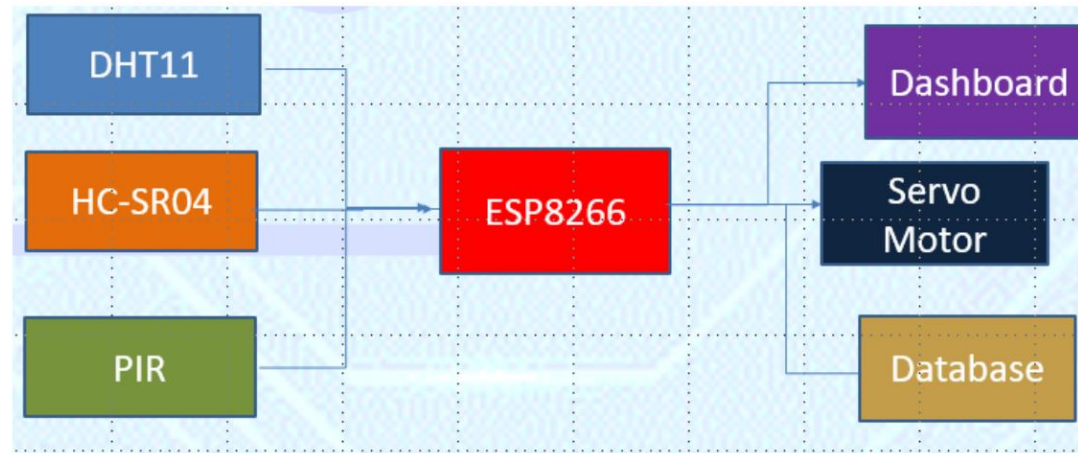
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PCB DESIGN



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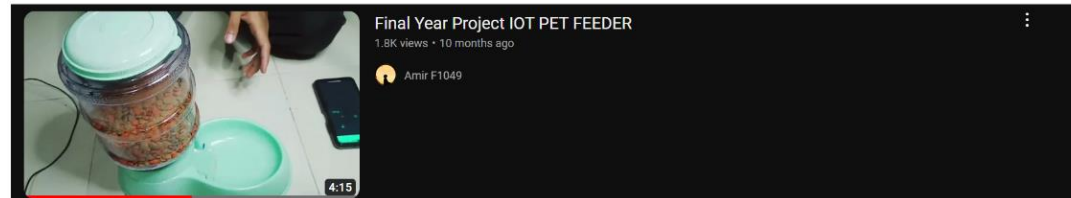
BLOCK DIAGRAM



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LITERATURE REVIEW

Final Year Project IOT PET FEEDER



<https://www.youtube.com/watch?v=PMryKVR-Lzw&t=128s>



<https://www.youtube.com/watch?v=dqr-AT5HvyM&t=2s>

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RESULT

Overview



+ Options

					id	temperature	humidity	distance	motion
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Proposed Commercialization

- Help to reduce energy and time of human
- Suitable for indoor and outdoor
- Target buyer : Adult and teen



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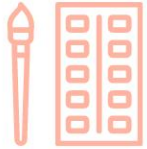


CONCLUSION

This design of pet feeder provides the feature which will make pet feed themselves without any humans help

this pet feeder also help to reduce energy and time of humans. it's very recommended to buy this feeder.

END



References

IoT Smart Feeder Idea :
<https://create.arduino.cc/projecthub/circuito-io-team/iot-pet-feeder-10a4f3>

ESP 8266 :
<https://randomnerdtutorials.com/projects-esp8266/>

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