

PROTECH AUTOMATIC CAT FEEDER



This thesis is represented in partial fulfillment for the award of the Diploma in Electrical Engineering (Electronic)

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March 2015

“I declare that this report entitled “*AUTOMATIC CAT FEEDER*” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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ACKNOWLEDGEMENT

In the name of Allah most gracious and Most Merciful for the health given to us upon completing our final year project. Special thanks to my supervisor , Mr Wan Ahmad Khusairi bin Wan Chek for his kindness support and concern to us in order to complete our project all of the cooperation, commitment from the group member were high praised as to ensure that our goal is achieved.

Other than that, special thanks to the EEE 368 coordinator Madam Siti Aishah Che Kar on her guidance to us so that we can finish our project in time. Not to forget, special thanks to all of the lectures for willing to lend their hand and guidance so that we can complete our project.

Besides that, we also want to give our thanks to our beloved parents on their pray and support which make the process finishing our final year project run making smoothly. Also special thanks to our friend for the help and information that is given. Without both parties, we cannot guarantee that we as to ensure the project works well.

In the blessing of God, we really hope that our project will be done successful as we planned. Thanks once again to all parties that are involved in finishing our final year project.

Thank you.

ABSTRACT

This report represent about the new design concept of the cat feeder system. Professional Technology (ProTech) Automatic Cat Feeder uses switches and sensors which are connected to an Arduino Uno microcontroller. Weight sensor is used as to detect the amount of cat food in the bowl meanwhile water level sensor to detect the amount of water in the drinking bowl of the cat feeder system. Main actuator of this device is a servomotor and a pump motor. When either the cat food or water in tray were empty, either servomotor or pump motor turn ON as to refill either the food or water in the empty bowl .This device will withdraw a specific amount of cat food and drinks within a specific time. That also have the LEDs where is Blue light will indicate the circuit is ON, while green light indicate the cat drinks in the container is filled and the cat food in the container is filled. The red light indicates that the cat drinks is filled and cat food is filled.

TABLE OF CONTENT

TITLE	PAGES
ACKNOWLEDGEMENT	i
ABSTRACT	ii
ABSRTAK	iii
LIST OF FIGURE	vi

CHAPTER	CONTENTS	PAGES
1	INTRODUCTION	1-2
	1.1 Problem Statement	1
	1.2 Objective	2
	1.3 Scope of Work	2
2	LITERATURE REVIEW	3-6
	2.2 Arduino UNO	3
	2.3 Servo Motor	4
	2.4 Pump Motor	5
	2.5 Water Level Sensor	6
3	CIRCUIT DESCRIPTION AND IMPLEMENTATION	7-10
	3.1 Flowchart the Whole Work Required	7
	3.2 Design the Circuit in ISIS Proteus	8
	3.3 Simulation	9
	3.4 Printed Circuit Board (PCB)	10
	3.5 Run for the Whole Project	10
4	RESULT AND DISCUSSION	11-15
	4.1 The Methodology	11-12
	4.2 Prototype Picture	13
	4.3 Discussion	14
5	CONCLUSION	15
	REFERANCE	16-17
	APPENDIX	18-23