

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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“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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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

TITTLE	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