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ALIGNMENT SYSTEM FOR AUTOMOBILE
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MICROCONTROLLER BASED HEAD-LAMP ALIGNMENT SYSTEM FOR AUTOMOBILE

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Report submitted in partial fulfillment of the requirements
for the award of the degree of
Bachelor of Engineering (Hons.) in Mechatronics Engineering

Faculty of Manufacturing Engineering

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SUPERVISOR'S DECLARATION

I hereby declare that I have checked this thesis and in my opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Engineering (Hons.) in Mechatronics Engineering.

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TABLE OF CONTENTS

	Page
SUPERVISOR'S DECLARATION	iii
STUDENT'S DECLARATION	iv
ACKNOWLEDGEMENTS	v
ABSTRACT	vi
ABSTRAK	vii
TABLE OF CONTENTS	viii
LIST OF TABLES	xi
LIST OF FIGURES	xii
LIST OF SYMBOLS	xiv
LIST OF ABBREVIATIONS	xv
CHAPTER 1 INTRODUCTION	
1.1 BACKGROUND OF STUDY	1
1.2 PROBLEM STATEMENT	2
1.3 OBJECTIVE	2
1.4 SCOPE OF PROJECT	2
1.5 THESIS OUTLINE	3

CHAPTER 2 LITERATURE REVIEW

2.1	INTRODUCTION	5
2.2	ADAPTIVE HEADLAMP SYSTEMS	5
2.3	ARDUINO	7
2.4	ULTRASONIC SENSOR	8

CHAPTER 3 METHODOLOGY

3.1	INTRODUCTION	10
3.2	FLOW CHART FOR FINAL YEAR PROJECT	11
3.3	BLOCK DIAGRAM	12
3.4	ELECTRICAL PART	15
	3.4.1 Toggle Switch	15
	3.4.2 Ultrasonic sensor (HC-SR04)	16
	3.4.3 Light Dependent Resistor (LDR)	17
	3.4.4 Potentiometer	17
	3.4.5 Servo Motor (HD-3001HB)	18
	3.4.6 Arduino Mega	19
3.5	MECHANICAL PART	21
3.6	SOFTWARE DEVELOPMENT	22
	3.6.1 Arduino	22
	3.6.2 Programming Flow Chart	24

CHAPTER 4 RESULTS AND DISCUSSION

4.1	INTRODUCTION	27
4.2	HARDWARE IMPLEMENTATION	28
4.3	AUTO MODE OPERATION	29
	4.3.1 Result and Discussion for LDR	29
	4.3.2 Result and Discussion for Servo Motor Movement in Auto Operation	32
4.4	MANUAL MODE OPERATION	43
4.5	FINANCIAL REPORT	44
4.6	SUMMARY	47

CHAPTER 5 CONCLUSION AND RECOMMENDATIONS

5.1	INTRODUCTION	49
5.2	CONCLUSION	49
5.3	RECOMMENDATIONS FOR FUTURE WORK	50

REFERENCES	51
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APPENDICES	54
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A	PROGRAM CODE FOR ARDUINO MEGA	54
B	PROGRAM CODE FOR CT-UNO	60

LIST OF TABLES

Table No.	Title	Page
2.1	Type of Arduino board models	8
3.1	Technical specs for Arduino Mega	20
4.1	LDR control components	29
4.2	Ultrasonic sensing range against motion of servo motor and brightness of the headlamp	37
4.3	Result of measurement between ruler and ultrasonic	39
4.4	Overview the manual mode operation	46
4.5	Financial report for headlamp prototype	47

LIST OF FIGURES

Figure No.	Title	Page
2.1	Basic block diagram of adaptive headlamp systems	5
2.2	Multiview projection of steerable headlight mechanism design	6
2.3	Basic software flow chart	7
2.4	The working principle of ultrasonic sensor	9
3.1	Flow chart of FYP	11
3.2	Block Diagram	12
3.3	Circuit diagram of headlamp alignment system	14
3.4	Toggle switch	15
3.5	Ultrasonic sensor	16
3.6	LDR	17
3.7	Potentiometer	17
3.8	Servo motor	18
3.9	Arduino Mega	19
3.10	Design of headlamp alignment model	21
3.11	Arduino software	23
3.12	Programming flow chart	24
3.13	Programming flow chart	25
4.1	Headlamp alignment system prototype	28
4.2	Control switch for headlamp alignment system	28

4.3	LDR value more than 410 in serial monitor	30
4.4	LDR value more than 410	31
4.5	LDR value less than 200 in serial monitor	31
4.6	LDR value less than 200	32
4.7	Three direction for ultrasonic sensing	33
4.8	Distance of object at 21cm	34
4.9	Distance of object at 5cm	35
4.10	Ultrasonic sense value display in serial monitor	36
4.11	Apparatus set up for ultrasonic accuracy test	37
4.12	Circuit diagram ultrasonic accuracy test	38
4.13	Ultrasonic accuracy test	39
4.14	Wide angle of servo motor	41
4.15	Headlamp flash to right direction	42
4.16	Headlamp flash to left direction	43
4.17	Result for switch on light switch	44
4.18	Result for switch on light switch and low beam switch	44
4.19	Result for switch on high beam switch	45

LIST OF SYMBOLS

c Speed of sound

Δt Time taken for send ping and receive ping

LIST OF ABBREVIATIONS

A	Ampere
CAD	Computer-aided drafting
CAE	Computer-aided engineering
D	Distance
DC	Direct current
I	Current
LCD	Liquid Crystal Display
LDR	Light Dependent Resistor
LED	Light Emitting Diode
PWM	Pulse Width Modulation
S	Second
V	Voltage