

DEVELOPMENT OF STRAIGHT LINE ROBOT MOVEMENT

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“I hereby acknowledge that the scope and quality of this thesis is qualified for the award of the Bachelor Degree of Electrical Engineering (Electronics)”

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DEVELOPMENT OF STRAIGHT LINE ROBOT MOVEMENT

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A report submitted in partial fulfillment of the requirements for the award of the
degree of Bachelor of Engineering (Electrical and Electronic)

Faculty of Electrical and Electronic Engineering
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TABLE OF CONTENTS

CHAPTER	CONTENT	PAGE
	TITLE PAGE	i
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENTS	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	x
	LIST OF FIGURES	xii
	LIST OF ABBREVIATIONS	xv
	LIST OF APPENDICES	xvi
1	INTRODUCTION	
	1.1 Background of Project	1
	1.2 Problem Statement	3
	1.3 Objectives	5
	1.4 Scope of Project	6
	1.5 Expected Outcomes	7
2	LITERATURE REVIEW	

2.1	Introduction	8
2.2	Previous Project Work	9
2.2.1	Line_Following Two Wheels Balancing Robot	9
2.2.2	Four-Wheeled Mobile Robot	10
2.2.3	Straight Line Movement Principle	12
2.2.4	Digital Compass Module for Direction Verification	13
2.2.5	Ultrasonic Sensor	14
2.3	Proportional Integral and Derivative (PID) Algorithm Control	15

3

METHODOLOGY

3.1	Introduction	17
3.2	Stability and Straight Line Principles	21
3.2.1	Robot's Controllability and Stability	21
3.2.2	PID Control Algorithm	23
3.3	Software Review	25
3.3.1	CCS C Compiler	25
3.3.2	PICkit 2 V2.61	29
3.4	Hardware Review	35
3.4.1	PIC Brain Board (SK40C) with PIC 18F4550	37
3.4.2	USB ICSP PIC Programmer V2010 (UIC00B)	40
3.4.3	Rainbow Cable	42
3.4.4	DC Gear Motor with Motor Driver IC L293D	43
3.4.5	Servo Motor	47
3.4.6	Digital Compass Module	50
3.5	DC Motor Speed Control	53
3.6	Servo Motor Turning Control	57

3.7	Manipulation of Digital Compass Module to Servo Motor	61
3.8	Obstacles and Wall Detection	65
4	RESULT AND DISCUSSION	
4.1	Introduction	45
4.1.1	Four-Wheeled Mobile Robot (FWMR)	70
4.1.2	Full Connection Circuits of Four-Wheeled Mobile Robot	72
4.1.3	Full Sequence of FWMR Operation	73
4.1.4	Full Programming of FWMR Operation	75
4.2	PID Control Algorithm	75
4.2.1	Theoretical Framework	77
4.2.2	Practical Results	79
4.3	Discussion	83
5	CONCLUSION AND RECOMMENDATIONS	
5.1	Introduction	85
5.2	Conclusion	86
5.3	Recommendations and Improvements	87
5.4	Additional Elements and Future Tasks	88
	REFERENCES	89
	APPENDICES	92

LIST OF TABLES

TABLE	TITLE	PAGE
3.1	Types of Activities and Respective Description in “File Menu”	27
3.2	Types of Activities and Respective Description in “Compile Menu Ribbon”	28
3.3	Types of Activities and Respective Description in “Help Menu”	29
3.4	Overview of “File” in Menu Bar	30
3.5	Overview of “Programmer” in Menu Bar	31
3.6	Overview of “Tool” in Menu Bar	32
3.7	Overview of “Help” in Menu Bar	33
3.8	Each Part of SK40C with Function Respectively	38
3.9	Each Part of UIC00B Programmer V2010 with Function Respectively	42
3.10	Behavior of Motor Operation with Various Input Conditions	45
3.11	Servo Motor Turning in accordance with Pulse Width	58
3.12	Manipulation of Compass Heading Degree to Servo Motor Turning Degree	62
3.13	MaxSonar EZ1 Pin Out	67
4.1	Respective Parts of Four-Wheeled Mobile Robot	70

4.2	Manipulation of PID Output Range to Servo Motor Turning Degree	76
4.3	PID Constants Adjustment of K_P , K_I and K_D	81

LIST OF FIGURES

FIGURE	TITLE	PAGE
1.1	Block Diagram of Main Components for FWMR	3
2.1	A Line Follower Robot	10
2.2	Front Driven / Steered Ackerman Steering	11
2.3	Front Steered / Rear Driven Ackerman Steering	11
2.4	A Four-Wheeled Mobile Robot in Straight Line Movement	13
2.5	Principle Use of Ultrasonic Sensor	15
2.6	Basic Structure of a system with PID Control	16
3.1	FWMR General System Block Diagram	18
3.2	Overall FWMR's System Flow	19
3.3	Types of Wheeled Mobile Robot	22
3.4	Center of Gravity for FWMR	23
3.5	CCS C Compiler Overview	26
3.6	PICkit™ 2 Programmer Application	30
3.7	Overall Hardware Configuration of FWMR Block Diagram	36
3.8	Top View of SK40C Brain Board Layout	38
3.9	40-Pin PDIP of PIC 18F4550 Configuration	40
3.10	Top View of USB ICSP PIC Programmer V2010's Broad Layout	41
3.11	Rainbow Cable or Programming Cable	42
3.12	DC Gear Motor	44
3.13	Installation of DC Gear Motor to FWMR	45
3.14	IC L293D's Pin Configurations	45

3.15	Connection Circuit of DC Motor and IC L293D to PIC 2	46
3.16	Sequence of DC Gear Motor Operation	46
3.17	Servo Motor (RC C40R)	47
3.18	Installation of Servo Motor to FWMR	48
3.19	Connection Circuit of Servo Motor to PIC 1	48
3.20	Sequence of Servo Motor Steering Direction	49
3.21	Digital Compass Module	51
3.22	Installation of Digital Compass Module HMC6352 to FWMR	51
3.23	Connection Circuit of Digital Compass Module to PIC 1	52
3.24	Sequence of Digital Compass Module Function	52
3.25	Installation of Four Switches to Control DC Motor Speed In FWMR	54
3.26	Connection Circuit of DC Gear Motor, Four Switches and Two LEDs to PIC 2	55
3.27	DC Motor Speed Control by Four Switches and LEDs Indications	56
3.28	Pulse Width for Servo Motor Turning	57
3.29	Turning Degree of Servo Motor C40R	58
3.30	Installation of Servo Motor Steering Control to Two Front Wheels	59
3.31	Connection Circuit of Servo Motor to Two Front Wheels	59
3.32	Sequence of Servo Motor Turning Control	60
3.33	Digital Compass Module to Control Servo Motor Turning Degree	63
3.34	Connection Circuit of Digital Compass Module and Servo Motor to PIC 1	63
3.35	Sequence of Digital Compass Module Heading Degree Manipulation to Servo Motor Turning Control	64
3.36	Side and Bottom View of MaxSonar EZ1	66
3.37	Installation of Ultrasonic Sensor to FWMR	66
3.38	Connection Circuit of Ultrasonic Sensor to PIC 2	67
3.39	Sequence of Ultrasonic Sensor Distance Detection	68
4.1	Four-Wheeled Mobile Robot (FWMR)	70

4.2	Top View of FWMR	71
4.3	Side View of FWMR	71
4.4	Front View of FMWR	71
4.5	Full Connection Circuit of PIC 1	72
4.6	Full Connection Circuit of PIC 2	72
4.7	Full Sequence Flow of PIC 1	73
4.8	Full Sequence Flow of PIC 2	74
4.9	Equation 1 of PID Output in Time Domain	77
4.10	Equation 2 of PID Output after Laplace Transform	78
4.11	Equation 3 of PID Output Application in Programming	78
4.12	Robot Straight Line Movement in Theoretical Application	78
4.13	FWMR Straight Line Movement Performance in Heading Degree of 275 °With and Without PID Control Algorithm	79
4.14	FWMR Straight Line Movement Performance in Heading Degree of 350 °With and Without PID Control Algorithm	80
4.15	Three PID Constants Adjustment in Heading Degree of 275 °	82
4.16	Three PID Constants Adjustment in Heading Degree of 350 °	83

LIST OF ABBREVIATION

PIC	-	Peripheral Interface Controller
PID	-	Proportional Integral Derivative
DC	-	Direct Current
FWMR	-	Four-Wheeled Mobile Robot
LCD	-	Liquid Crystal Display
USB	-	Universal Serial Bus
I ² C	-	Inter Integrated IC
IC	-	Integrated Circuit
I / O	-	Input / Output
LED	-	Light-Emitting Diode
UART	-	Universal Asynchronous Receiver / Transmitter
MCU	-	Microcontroller Unit
EEPROM	-	Electrically Erasable Programmable Read Only
RAM	-	Random Access Memory
SPI	-	Serial Peripheral Interface
CCP	-	Capture, Compare or PWM Mode
PWM	-	Pulse Width Modulation
ADC	-	Analog Digital Converter
RC	-	Radio Control
GND	-	Ground
Tx	-	Transmit
Rx	-	Receive
DCM	-	Digital Compass Module
GPS	-	Global Positioning System

LIST OF APPENDICES

APPENDIX	TITLE	PAGE
A	Program Source Code	92
B	Four-Wheeled Mobile Robot's Specification	109
C	Four-Wheeled Mobile Robot's Overall Circuit Diagram	111
D	Four-Wheeled Mobile Robot's Pictures	113