**CHAPTER NO TABLE OF CONTENTS PAGE NO.**

ABSTRACTS i

CONTENTS ii

LIST OF TABLES iii

LIST OF FIGURES iv

LIST OF KEYWORSD v

1 INTRODUCTION 1

1.1 Introduction to IoT 1

1.2 Resources Used 2

1.3 MQTT Protocol 3

1.3.1 Introduction 3

1.3.2Architecture 3

1.4 Arduino IDE 4

1.4.1 Introduction 4

1.4.2 Library 4

1.4.3 Function 5

1.5 ESP8266 12 E WiFi Module 6

1.5.1 Introduction 6

1.6 Motor Controller 8

1.6.1 Introduction 8

1.7 MQTT Server 10

1.8.1 Server Code 11

1.8 Google Assistant 15

1.9.1 Working screenshot 16

1.9 Conclusion 20

1.10 References 21