

CONTENTS

ACKNOWLEDGEMENT

ABSTRACT

CHAPTERS

PAGE NO.

1. INTRODUCTION

1 - 3

1.1 General Introduction

1

1.2 Project Objectives

2

2. LITERATURE SURVEY

4 - 8

2.1 Existing System

4

2.1.1 Disadvantages

4

2.2 Proposed System

5

2.2.1 Advantages

5

3. REQUIREMENTS

9

3.1 Hardware Requirements

9

3.2 Software Requirements

9

4. DESIGN PART

10 - 24

4.1 Architecture Diagram

11

4.2 Flow Diagram

12

4.3 Data Flow Diagram

13

4.4 UML Diagrams

15

5. IMPLEMENTATION

25 - 33

5.1 Modules

25

5.2 Modules Description

25

5.3 Software Description

31

6. TESTING	34 - 38
6.1 Testing of Products	34
6.2 Test Cases	36
7. SAMPLE SCREENSHOT	39 - 41
8. CONCLUSION	42
FUTURE ENHANCEMENT	43
REFERENCES	44

LIST OF FIGURES

FIGURE NO.	TITLE	PAGE NO.
4.1	System Architecture	11
4.2	Flow Diagram	12
4.3	Data Flow Diagram	13 - 14
4.3.1	DFD 0	13
4.3.2	DFD 1	14
4.3.3	DFD 2	15
4.4.1	Use Case Diagram	17
4.4.2	Activity Diagram	19
4.4.3	Sequence Diagram	20
4.4.4	ER Diagram	22
4.4.5	Class Diagram	24
7.1.1	Amazon Alexa Review Prediction	39
7.1.2	Emoji Summary and Pie Chart	39
7.2.1	Social Media Sentiment Review Prediction	40
7.2.2	Emoji Summary and Pie Chart	41
7.3.1	Live News Sentiment Review Prediction	42
7.3.2	Emoji Summary and Pie Chart	42

LIST OF TABLES

TABLE NO.	TABLE NAME	PAGE NO.
4.1	List of Symbols	10

LIST OF ABBREVIATIONS

ABBREVIATIONS	DEFINITIONS
RNN	Recurrent Neural Networks
DT	Decision Tree
NLP	Natural Language Processing
ML	Machine Learning
AI	Artificial intelligence
LR	Logistic Regression
RF	Random Forest
SVM	Support Vector Machine