

# **TABLE OF CONTENT**

<b>Title</b>	<b>Page No</b>
<b>ABSTRACT .....</b>	<b>i</b>
<b>LIST OF FIGURES.....</b>	<b>ii</b>
<b>LIST OF TABLES.....</b>	<b>iii</b>
<b>ABBREVIATIONS.....</b>	<b>iv</b>
<b>CHAPTER 1 INTRODUCTION.....</b>	<b>1</b>
1.1. Project Summary.....	2
1.2. Project Purpose.....	3
1.3. Project Scope.....	4
1.4. Objectives.....	5
1.5. Synopsis.....	6
<b>CHAPTER 2 LITERATURE SURVEY.....</b>	<b>7</b>
<b>CHAPTER 3 SIGNSPEAK.....</b>	<b>10</b>
3.1 Introduction .....	11
3.2 Why SignSpeak?.....	13
3.3 Features.....	15
3.4 Technology and tools used.....	17
<b>CHAPTER 4 PROJECT MANAGEMENT.....</b>	<b>18</b>
4.1 Project Planning Objectives.....	19
4.1.1 Resources.....	20
4.1.2 Project Development Approach .....	21
4.2 Project Scheduling.....	24
4.3 Risk Management.....	27
<b>CHAPTER 5 SYSTEM REQUIREMENTS.....</b>	<b>30</b>
5.1 User Characteristics.....	31
5.2 Functional Requirement.....	33
5.3 Non-Functional Requirement.....	35
5.4 Hardware and Software Requirement.....	37
5.4.1 Hardware Requirement.....	37
5.4.2 Software Requirement.....	38

<b>CHAPTER 6 SYSTEM ANALYSIS.....</b>	<b>40</b>
6.1 Need Of SignSpeak.....	41
6.2 Process Model.....	43
6.3 Feasibility Study.....	45
6.3.1 Technical Feasibility.....	45
6.3.2 Operational Feasibility.....	46
6.3.3 Economic Feasibility.....	48
6.3.4 Schedule Feasibility.....	48
6.4 Features .....	50
<b>CHAPTER 7 SYSTEM DESIGN.....</b>	<b>55</b>
7.1 Class Diagram.....	56
7.2 Use – Case Diagram.....	58
7.3 Sequence Diagram.....	59
7.4 Activity Diagram.....	61
7.5 Data Flow Diagram.....	63
<b>CHAPTER 8 MODULE DESCRIPTION.....</b>	<b>68</b>
8.1 Data collection module.....	66
8.2 Data preprocessing module.....	67
8.3 Model training module .....	68
8.4 Prediction module.....	69
8.5 GUI module.....	70
8.6 Metrics module.....	71
8.7 Real-Time Prediction module.....	73
<b>CHAPTER 9 TESTING.....</b>	<b>74</b>
<b>CHAPTER 10 LIMITATION AND FUTURE ENHANCEMENT.....</b>	<b>77</b>
10.1 Limitation.....	78
10.2 Future Enhancement.....	79
<b>CHAPTER 11 CONCLUSION.....</b>	<b>80</b>
<b>CHAPTER 12 APPENDICES .....</b>	<b>82</b>
12.1 Business Model .....	83
12.2 Product Deployment Detail.....	84
<b>BIBLIOGRAPHY</b>	