

# INDEX

## ABSTRACT

<b>1. INTRODUCTION .....</b>	<b>1</b>
1.1 INTRODUCTION OF CHAPTER .....	2
1.2 BACKGROUND .....	2
1.3 APPLICATION IN GENERAL FORM IN DIFFERENT AREAS .....	3
1.4 CHALLENGES IN EXISTING SYSTEM.....	4
1.5 CONTENT OF PROJECT WORK .....	6
1.6 CONCLUDING REMARK .....	9
<b>2. LITERATURE SURVEY .....</b>	<b>10</b>
2.1 INTRODUCTION OF CHAPTER.....	11
2.2 EXISTING WORK .....	11
2.3 THEORY OF WORK .....	12
2.4 PROPOSED WORK CONVERTED TO CONCEPT .....	14
2.5 GAP ANALYSIS .....	15
2.6 PROBLEM IDENTIFICATION .....	16
2.7 OBJECTIVES OF PROJECT.....	18
2.8 CONCLUDING REMARK .....	18
<b>3. REQUIREMENT ANALYSIS .....</b>	<b>19</b>
3.1 INTRODUCTION OF CHAPTER .....	20
3.2 INTRODUCTION OF PROJECT.....	20
3.2.1 Purpose.....	20
3.2.2 Scope.....	20
3.2.3 Definitions, Acronyms, and Abbreviations.....	21
3.2.4 Overview.....	21
3.3 FUNCTIONAL REQUIREMENTS .....	21
3.3.1 <Functional Requirement 1> .....	23
3.4 EXTERNAL INTERFACE REQUIREMENTS.....	24
3.4.1 User Interfaces .....	24
3.4.2 Hardware Interfaces .....	24
3.4.3 Software Interfaces .....	25
3.4.4 Communications Interfaces.....	25
3.5 NON FUNCTIONAL REQUIREMENTS .....	26

3.5.1 Performance .....	26
3.5.2 Reliability .....	26
3.5.3 Availability .....	26
3.5.4 Security .....	26
3.5.5 Maintainability .....	27
3.5.6 Portability .....	27
3.6 CONCLUDING REMARK .....	27
 <b>4. DESIGN METHODOLOGY .....</b>	<b>28</b>
4.1 INTRODUCTION OF CHAPTER .....	29
4.2 MODEL APPROACH .....	29
4.3 INTRODUCTION OF DESIGN METHODOLOGY .....	30
4.4 OVERALL SYSTEM DESIGN .....	32
4.4.1 Higher Level Design .....	32
4.4.2 Lower Level Design .....	32
4.5 CLASS DIAGRAM .....	33
4.6 STATE-TRANSITION DIAGRAMS OR ENTITY RELATIONSHIP DIAGRAMS .....	34
4.7 CONCLUDING REMARK .....	35
 <b>5. SYSTEM DESIGN .....</b>	<b>36</b>
5.1 INTRODUCTION OF CHAPTER .....	37
5.2 SYSTEM ARCHITECTURE .....	38
5.3 UML DIAGRAMS .....	39
5.3.1 USE CASE DIAGRAM .....	39
5.3.2 ACTIVITY DIAGRAM .....	40
5.3.3 SEQUENCE DIAGRAM .....	41
5.4 DATABASE DESIGN .....	42
5.5 CONCLUDING REMARK .....	42
 <b>6. PROJECT SCHUEDULE .....</b>	<b>43</b>
 <b>7. IMPLEMENTATION DETAILS .....</b>	<b>45</b>
7.1 INTRODUCTION OF CHAPTER .....	46

7.2 SOFTWARE USED .....	46
7.3 HARDWARE USED .....	47
7.4 TECHNOLOGY DETAILS .....	47
7.5 CONCLUDING REMARK .....	48
<b>8. TESTING .....</b>	<b>49</b>
8.1 ERROR AND DEBUGGING REPORT .....	50
<b>9. RESULT .....</b>	<b>53</b>
9.1 PROJECT CODE AND SNAPSHOTS .....	54
<b>10. CONCLUSION .....</b>	<b>64</b>
<b>11. FUTURE SCOPE .....</b>	<b>66</b>
<b>12. REFERENCES .....</b>	<b>68</b>

## FIGURE INDEX

SR. NO.	FIGURE NAME	PAGE. NO.
4.4.1	Higher Level Design	32
4.4.2	Lower-Level Diagram	32
4.5	Class Diagram	33
4.6	Entity Relationship Diagram	34
5.2	System Architecture	38
5.3.1	Use Case Diagram	39
5.3.2	Activity Diagram	40
5.3.3	Sequence Diagram	41
5.4	Database Design	42