# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title Page</td>
<td>i</td>
</tr>
<tr>
<td>Abstract</td>
<td>ii</td>
</tr>
<tr>
<td>Acknowledgments</td>
<td>iii</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>iv</td>
</tr>
<tr>
<td>List of Figures</td>
<td>xii</td>
</tr>
<tr>
<td>List of Tables</td>
<td>xvi</td>
</tr>
<tr>
<td>List of Charts</td>
<td>xviii</td>
</tr>
</tbody>
</table>

## CHAPTER 1: INTRODUCTION

1.1 Overview of Study <br>2 - 3 <br>1.2 Problem Statement  <br>2 <br>1.3 Objective of Study <br>2 - 3 <br>1.4 Research Questions <br>3 - 4 <br>1.4.1 Hypothesis <br>4 <br>1.5 Significance of Study <br>4 - 5 <br>1.6 Research Limitation <br>5 - 6 <br>1.7 Scope and Assumption <br>6 <br>1.8 Structure of this Study <br>6 - 7

## CHAPTER 2: LITERATURE REVIEW

2.1 Introduction <br>8
2.1.1 Limitations to the literature review

2.1.2 Scope of the literature review

2.1.3 Gaps in the research area

2.2 Knowledge Management – A Broad Perspective

2.2.1 Framework/Model/Strategy

2.2.2 Success (& its enabler) and failures

2.2.3 Common Problems in KM

2.2.4 Case Studies and Tools

2.3 Knowledge Management – Elements in KM

2.3.1 Human & Social Factors

2.3.1.1 Training

2.3.1.2 Culture & Reward

2.3.2 Structural/Organizational Issues

2.3.3 Tacit vs. Explicit Knowledge

2.4 Communities of Practice (General and in the context of tourism)

2.4.1 Knowledge Creation

2.4.2 Knowledge Transfer

2.4.3 Knowledge Sharing

2.5 Knowledge Management and ICT in the tourism industry

2.5.1 The importance of information and knowledge for tourism

2.6 Knowledge Management System in the tourism industry
2.7 Definition of Acronyms

2.7.1 Knowledge

2.7.1.1 Kinds of Knowledge

2.7.1.2 Types of Knowledge

2.7.2 Definition of Knowledge Management

2.7.3 Definition of Knowledge Management:
A Working Perspective

2.7.4 Knowledge Worker

2.7.5 Knowledge Economy

2.7.6 Knowledge Society

2.6.7 Intellectual Capital

2.8 Conclusion

CHAPTER 3: METHODOLOGY

3.1 Introduction

3.2 Overview of tourism industry in Malaysia

3.2.1 Ministry of Tourism Malaysia (MoTOUR)

3.2.2 Tourism Malaysia (TM)

3.2.3 Malaysia Tourism Centre (MTC)

3.2.4 Tourist Information Counter (TIC)

3.3 Research Design

3.4 Sample and Location of Tourist Information Counter (TIC)

3.5 Instrumentation

3.6 Procedural Details
3.6.1 Structure of the Questionnaire 80
3.6.2 Objectives of Data Gathering 80 - 82
3.6.3 Item Non Response 82
3.7 Development Methodology 82 - 87
3.8 Summary of Research Methodology 88

CHAPTER 4: REQUIREMENT ANALYSIS AND DESIGN SPECIFICATION

4.1 Introduction 89
4.2 Activities in data collection 89
  4.2.1 Surfing the Internet 89
  4.2.2 Conduct initial interview & Observation 89 - 90
  4.2.3 Data Analysis from Questionnaires Distribution 90
    4.2.3.1 Survey Finding for Section A 90 - 98
      4.2.3.1.1 Concluding Remark 98
    4.2.3.2 Survey Finding for Section B 98 - 119
      4.2.3.2.1 Test 119 - 128
      4.2.3.2.2 Concluding Remark 129
    4.2.3.3 Survey Finding for Section C 130
  4.2.4 Define Project Scope and Requirement 130
    4.2.4.1 Type of Users Determination 130 - 131
    4.2.4.2 Process Determination 132
    4.2.4.3 Functional Requirement 133
    4.2.4.4 Data 133 - 136
CHAPTER 5: IMPLEMENTATION AND TESTING

5.1 Introduction 151
5.2 Environment Preparation 151
5.2.1 Software Requirement 151-152
5.2.2 Hardware Requirement 152
5.2.3 Database 152
5.3 Type of Users 152
5.3.1 Tourist Assistant 152
5.3.2 Super Users 153
5.3.3 Administrator 153 - 154
5.3.4 Knowledge Officer 154
5.3.5 Knowledge Manager & Chief Knowledge Officer 154 - 155
5.4 System Testing 155 - 156
5.4.1 Modules with KM Elements 156
5.4.1.1 Knowledge Create, Use, Share, Disseminate 156 - 156
5.4.1.2 Communities of Practice (CoP) 167
5.4.1.3 Other Modules 170 - 177
5.5 Testing Method 177 - 178
5.5.1 Components Tested 178 - 179
5.6 Test Data Analysis 179
5.6.1 Result from user satisfaction (Tourist Assistant) 179 - 180
5.6.2 Result from user satisfaction (Knowledge Officer) 180
5.6.3 Result from user satisfaction (Knowledge Manager/Chief Knowledge Officer) 180 - 181
5.6.4 Result from user satisfaction (Administrator) 181
5.6.5 Summary of testing results 182
5.6.5.1 Summary result for Common Questions 182
5.6.5.2 Summary result for TA 182 - 183
5.6.5.3 Summary result for KO 183
APPENDICES

Appendix A - Tourism Malaysia Organization Chart 198
Appendix B - TIC locations and no. of respondents 199 - 202
Appendix C - Sample of Survey Questionnaires 203 - 218
Appendix D - Questions posted during the interview 219
Appendix E - Frequencies Table for Section A 220 - 226
Appendix F - Result of usability task analysis 227 - 230
Appendix G - Frequencies Table for Section B & C 231 - 259
Appendix H - Entity Relationship Diagram 260 - 265
Appendix I - List of Data Dictionary 266 - 285
Appendix J - Overview of Components Tested 286 - 287
Appendix K - Questionnaire A - User Satisfaction
(Tourist Assistant) 288 - 290
Appendix L - Questionnaire B - User Satisfaction
(Knowledge Officer) 291 - 292
Appendix M - Questionnaire C - User Satisfaction
(Knowledge Manager & Chief Knowledge Officer) 293 - 294
Appendix N - Questionnaire D - User Satisfaction
(Administrator) 295 - 296

BIBLIOGRAPHY 297 - 306