

**AN ONLINE SERVICE FOR RURAL COMMUNITY  
DEVELOPMENT**

**TRAINING CENTER OF KAMPONG TRADISI**

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**UNIVERSITI UTARA MALAYSIA**

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**AN ONLINE SERVICE FOR RURAL COMMUNITY  
DEVELOPMENT  
TRAINING CENTER OF KAMPONG TRADISI**

A thesis submitted to the Graduate School in partial fulfillment of the requirements  
for the degree Master of Science (Information and Communication Technologies)

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By

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## **Abstract**

Kampong (Kg) Tradisi is one of villages in a rural area in the northern Malaysian state of Kedah. One of the development initiatives in this village is a training center established to provide basic IT skills training for the village community. The current procedure lacks an efficient mechanism to update the latest available information about community, information accessibility and delivery issues. This study objective was to design and develop an online service for Kg. Tradisi training center to help in community development and training and overcome the current obstacles. Implementing this solution can enhance information and knowledge sharing between community and development organizations besides time and cost efficiency.

## **Dedication**

*I dedicate this humble work to my father and mother; the spring of loyalty, affection, and dedication. They raised me on the principles of virtue, to my dear brothers and sisters; who spared no effort helping me during my school years.*

*I dedicate this work also for my "My Uncle", Mr. Mohammad Al-Tehe Abu Lorasance, "My Uncle", and Dr. Marwan Al-Zoubi*

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## TABLE OF CONTENTS

CHAPTER 1: INTRODUCTION.....	1
1.1 Background.....	1
1.2 Problem Statement.....	2
1.3 Research Questions.....	3
1.4 Study Objectives.....	4
1.5 Scope of the study.....	4
1.6 Significance of the study.....	5
1.7 Report Structure.....	5
1.8 Summary.....	6
CHAPTER 2: LITERATURE REVIEW .....	7
2.1 Introduction.....	7
2.2 ICT and Rural Development.....	7
2.3 Web-based Applications Characteristics .....	13
2.4 Usability Testing.....	14
2.5 Case Studies .....	16
2.5.1 Case Study: Kentucky Association of School Business Officials	16
2.5.2 Washington State University Area Health Education department	18
2.6 Infrastructure and Rural Development in Malaysia.....	21
CHAPTER 3: RESEARCH METHODOLOGY.....	23
3.1 Introduction.....	23
3.2 Awareness of Problem .....	24
3.3 Suggestion .....	25
3.4 Development .....	27
3.5 Evaluation .....	28
3.6 Summary.....	29
CHAPTER 4: THE ONLINE SERVICE SYSTEM DESIGN.....	30
4.1 Introduction.....	30

4.2	System Requirements .....	30
4.3	System Design .....	32
4.4	System Architecture .....	46
4.5	System Interface Design .....	49
4.5.1	Login Page	49
4.5.2	Partners page	50
4.5.3	Courses page	51
4.5.4	Manage Courses	53
4.6	System Database Design .....	54
4.7	System Evaluation .....	55
4.8	Evaluation Techniques .....	55
4.9	Testing and Results .....	56
4.10	Recommendations and Remarks .....	59
	CHAPTER 5: CONCLUSION .....	61
5.1	Introduction .....	61
5.2	Problems and Limitations .....	61
5.3	Future Development Considerations .....	63
5.4	Conclusion .....	63
5.5	References .....	64

## LIST OF TABLES

Table 4-1: System Functional Requirements.....	31
Table 4-2: Descriptive statistics for the CSUQ question items.....	57

## TABLE OF FIGURES

Figure 1-1: Rural areas conditions .....	8
Figure 3.1 The General Methodology of Design Research .....	23
Figure 3-2: System Architecture.....	28
Figure 4-1: Main Use Case .....	33
Figure 4-2: Admin Login Sequence Diagram .....	37
Figure 4-3: Manage Courses Sequence Diagram.....	37
Figure 4-4: Manage Courses Activity Diagram.....	38
Figure 4-5: Manage Participants Sequence Diagram. ....	39
Figure 4-6: Manage Participants Activity Diagram. ....	40
Figure 4-7 : Manage Announcements Sequence Diagram. ....	42
Figure 4-8: Manage Announcements Activity Diagram. ....	43
Figure 4-9: Register Course Sequence Diagram.....	45
Figure 4-10: Register Course Activity Diagram.....	46
Figure 4-11: System Architecture .....	48
Figure 4-12: Login Page.....	49
Figure 4-13: Partners page.....	50
Figure 4-14: Courses page.....	51
Figure 4-15: Registration Page.....	52
Figure 4-16: Manage Courses page.....	53
Figure 4-17: System Database Schema .....	54
Figure 4-18: Usability Evaluation .....	57

# CHAPTER 1: INTRODUCTION

## 1.1 Background

The adoption of information and communication technology (ICT) and use of online applications are seen as important ways for many currently marginalized communities, such as in rural areas of the developing world, to improve their social and economic standing. An important area of research is the design and implementation of computer applications to meet the needs of these communities.

Rural communities in developing countries face many constraints; good communication poor infrastructure. Medical information for preventive healthcare, education for the entire community, and agricultural advice are examples of important communication services that can directly improve the well-being of the community (Akinsola *et.al.*, 2005).

Access and communications also improve commerce and increases efficiency of business transactions. A user directory service can complement a basic communications service by helping to organize the information sources these communities are linked to. (Sin *et. al*, 2004).

Directory services present a means to describe existing resources of any organization or community that can be dynamically discovered and used, and are gradually more being adopted by organizations and communities (Kuechler, 2003).

The contents of  
the thesis is for  
internal user  
only

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