UNIVERSITI TEKNOLOGI MARA

E-LEARNING SERVICE QUALITY CASE STUDY: AL MADINAH INTERNATIONAL UNIVERSITY

NUR AMIRAH BINTI ABD RAHMAN

Computing Project submitted in partial fulfillment of the requirement for the degree of

Master of Science in Information Technology

Faculty of Computer and Mathematical Sciences

JANUARY 2017

ABSTRACT

E-learning is computer based learning with communication technology that using Wide Area Networks (WAN) in supporting distance learning. E-learning service quality are ways to know user needs, the service meets their expectations and user satisfaction by fulfilling user requirements. Moreover, distinction between learning content and website content need to be parallel whereby both will influence each other and affect user perception and satisfaction. As been concluded, concern occurs on how the factors of elearning service quality affects the quality of e-learning system in education. Moreover, knowing that user is a pillar of the e-learning system, this research is intended to find out whether the user satisfaction has any influence on e-learning system quality. Three dimensions in evaluate e-learning service quality that consist of system design, system delivery and system outcome have been used as platform in measuring the success of elearning system. Three influencing factors have been chosen as attributes in collecting data through survey; User Satisfaction, System Quality, and Information Quality. Data have being analyzed using SPSS in determine the level of user satisfaction towards elearning system. Results from the analysis have shown that respondents from Al Madinah University were satisfied with the student portal site.

ACKNOWLEDGEMENT

First and foremost, the deepest gratitude of all shall be bestowed to Allah the Almighty and The Merciful for all the insight which He gave to us that lead to the completion of this research. Without His blessings and consent, I might not have enough courage and determination to complete this research. All my thanks and appreciation will be lay upon Him.

My deepest gratitude is extended to Dr Nor Hayati Binti Abdul Hamid, for all assistance, advice, guidance, encouragement, new ideas and invaluable support given as my project supervisor for a better quality in my project. Thank you for being such a great mentor. I also would like to express my gratitude and sincere appreciation to my colleagues at Al Madinah International University, Mohd Faris Bin Jaafar and Shariha Binti Abdul Rahim and also my childhood friend Nurhidayah Binti Ramli for their invaluable knowledge, comment and recommendation on how to enhance my project.

Not forgetting very special thanks to all the lecturers, friends also colleagues of Master Science (Information Technology) at UITM for their support and encouragement during the process of completing this project.

Finally, I would like to express my deepest gratitude to my beloved parents and families for all support and courage towards my success. Without their personal sacrifices and being a constant source for encouragement, especially in the final stages, this project would not have been possible.

Thank You.

TABLE OF CONTENTS

	Page
AUTHOR'S DECLARATION	i
ABSTRACT	ii
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vii
LIST OF FIGURES	viii
CHAPTER ONE: INTRODUCTION	
1.1 Research Background	1
1.2 Problem Statement	2
1.3 Research Question	4
1.4 Research Objectives	4
1.5 Research Scopes	5
1.6 Research Significance	5
1.7 Research Design Summary	6
1.8 Summary	7
CHAPTER TWO: LITERATURE REVIEW	
2.1 Research Domain	8
2.1.1 E-Learning Background	8
2.1.2 E-Learning Issues	9
2.1.3 E-Learning Trends	10
2.2 Service Quality	12
2.2.1 E-Learning Service Quality	11
2.2.2 System Design, System Delivery, System Outcome	14

2.3 Related Research Method	15
2.3.1 SERVQUAL Model	15
2.3.2 Causality Approach	15
2.3.3 Kano's Two-way Model for Quality	16
2.3.4 DeLone and McLean Model	17
2.4 Summary	18
CHAPTER THREE: RESEARCH METHOGOLOGY	
3.1 Conceptual Research Framework	19
3.2 Theoretical Study	23
3.2.1 Preliminary Study	23
3.2.2 Knowledge Acquisition	24
3.3 Empirical Study	25
3.3.1 Literature Search	25
3.3.2 Data Collection	26
3.3.3 Data Analysis	26
3.4 Result	28
3.5 Research Methodology Overview	29
3.6 Summary	29
CHAPTER FOUR: EMPIRICAL STUDY	
4.1 Data Collection	30
4.1.1 Data Collection from journal and article	30
4.1.2 Questionnaire	32
4.2 Sample of Data	40
4.3 Data Management	41
4.4 Summary	42
CHAPTER FIVE: RESULT AND DISCUSSION	
5.1 Basic Information	43
5.1.1 Demographic Data Analysis	43