TABLE OF CONTENTS

Name	No
الآية	I
Abstract	II
مستخلص الاطروحة	III
الإهداء	IV
الشكر	V
List Of Figures	VIII
List Of Tables	IX
List Of Abbreviations	X
1 Introduction	1
1.1 Problem statements	1
1.2 Aims & Objectives	1
1.3 Research Questions	2
1.4 Research Hypothesis	2
1.5 Motivations	2
1.6 Research Design	2
2 Literature Review	3
2.1 key words of research	
2.1.1 Web based Applications	3
2.1.2 Educational Resources Management	3
2.2 Usability	3
2.3 Usability Evaluation	5
2.4 Usability of Educational Management systems/Resources	6
2.5 E-learning	9
2.5.1 Types of E-learning	10
2.5.2 E-learning System	11
2.5.3 Web Based Educational Systems	11
2.5.4 E-Learning Management Electronic System	11
3 Frame Work	12
3.1 Methodology of the Study	12
3.2 The Proposed Research Model	12
3.3 Usability Metrics	13
3.3.1 Efficiency	13
3.3.2 Effectiveness	14
3.3.3 Satisfaction	14
3.3.4 Learnability	14
3.3.5 Interactivity	14
3.3.6 Consistency	14
3.3.7 Motivation	14
3.3.8 Learn control	14
3.3.9 The personal attributes	14
3.4 System Design	15

3.4.1 Check list to Design the system……..... 15
3.4.2 Metrics Definition & Measurement……... 16
3.5 Research questions…… 17
3.6 Research hypothesis…….. 17
3.7 Design the Experiment…….. 17
3.7.1 Planning for the Experiments…… 18
3.7.2 The Specification of the Tasks…….. 18
3.7.3 Measurement of variables…….. 19
3.8 Sampling & Sample Size……..…… 21
3.9 Demographic & characteristics of the participants……..... 21

4 Data Analysis and Result…..……..…… 23
4 Introductions……..…..... 23
4.1 Reliability of Data……..……..……. 23
4.2 Respondent's analysis of Data……..……...……..….. 25
4.3 Testing Hypotheses ……...……..... 28
4.4 Discussions……..…..... 31

5. Discussions Suggestions for Future Work……..……..... 33
5 Introduction……..……. 33
5.1 Conclusion……..……...……... 33
5.2 Suggestions for Future Work……..... 33
Appendix ……..……...……..……...…… 36
Appendix A: System Analysis using UML……..….....…...……... 36
Appendix B: Table Structures…….....……..……...……..…...…...…….. 46
Appendix C Design screen **……**…...……..…..…..…….. 48
Appendix D: Questionnaire...…….……..……...……..…...…...……... 65