## UNIVERSITI TEKNOLOGI MARA

# E-LEARNING: PAST, PRESENT AND FUTURE

Saliyah Kahar (Bachelor in Computer Science UTM)

Independent Study submitted in partial fulfilment of the requirements for the degree of

Master Science of Information Technology

Faculty of Information Technology and Quantitative Science

September 2004

### **ACKNOWLEDGEMENT**

"In the name of Allah, Most Gracious and Most Merciful"

First and foremost I would like to thank Allah for giving me strength to finish this report. I would like to take this opportunity to extend my greatest gratitude to my family who gave me constant support and advice in completing the study of this magnitude.

I am indebted to Associate Professor Hamdan Abdul Maad for his patience, understanding, assistance and for his constructive criticisms in preparing this study. Thank you for being my supervisor.

Special thanks to Fazilah Che Fauzi, Safwati Ismail, Noor Aishah Salleh, Haslinda Sutan Ahmad Nawi and Norsyufiza Abdul Syukur for your advice and time. Thank you for your moral support throughout my internship.

Finally, to UiTM for providing the much serene environment for me to finish this report and fellow colleagues MSc in Information Technology. I wouldn't have done it without you. Thank you.

## TABLE OF CONTENTS

TITLE PAGE	,						i
ACKNOWLEDGEMENT TABLE OF CONTENT LIST OF FIGURES LIST OF TABLES							ii
							iii
							v
							vi
ABSTRACT							vii
CHAPTER 1	IN	<b>FRODUCTIO</b>	N				
	<b>1</b> .1	Overview	of	ť	he	Research	1
	1.2	Problem States	ment				2
	1.3	Objectives					2
	1.4	Scope					3
	1.5	Methodology					3
	1.6	Study Question	ı				3
	1.7	Importance of	Study				3
CHAPTER 2	DEI	FINITION AN	D TERM	IINOLO	OGY		
	2.1	Introduction					4
2.2 Appropriate Media, Content, Channel with the user							4
	2.3	Constructivism	ı				7
	2.4	Learning Theo	ry				11
	2.5	Communicatio	n				12
CHAPTER 3	E-I	LEARNING					
	3.1	Introduction					15
	3.2	History	of	E-Learn	ning	Evolvement	16
	3.3	E-Learning in	Practise				20
	3.4	Future	Prospect		of	E-Learning	21

	3.5 E-Learning Failures	27						
	3.6 New Challenges for Education	29						
CHAPTER 4 EFFECTIVENESS OF E-LEARNING								
	4.1 Introduction	33						
	4.2 Evaluating the Effectiveness of E-Leaming As a Strategy	36						
	4.3 A Framework for Evaluating Effectiveness of E-Leaming Strat	tegies						
		40						
	4.4 The Effectiveness of E-Learning in Malaysia Higher Education	ı						
		45						
	CHAPTER 5 CONCLUSION							
	5.1 Introduction	48						
	5.2 Summary	48						
	5.3 Recommendation	49						
	REFERENCES	50						

#### **ABSTRACT**

Throughout history technological advances have had a dramatic impact on society. New technology has also had an impact on education in the past. But what will the new technologies invented today and tomorrow do for learning in the future? Of course, we can only predict what will happen, but in this paper I will present a few current elearning trends and try to look into the future to see how online education and e-learning could change in the years to come. I will mostly look at new and future technologies for learning - "old" technologies like the web is not mentioned much even though it will probably have a significant role in the future too. In this paper I also try to give a lot of examples, either from my own experiences or my visions about the future.