UNIVERSITI TEKNOLOGI MARA

A STUDY ON CHALLENGES OF TEACHING AND LEARNING IN MALAYSIAN SMART SCHOOL

Noridah binti Abdul Rahman

Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons)

Business Computing

FACULTY OF INFORMATION TECHNOLOGY AND QUANTITATIVE SCIENCE UNIVERSITI TEKNOLOGI MARA SHAH ALAM

October 2004

ACKNOWLEDGEMENT

First of all, I would like to express our gratitude to Almighty God as for His Omnipotence and Merciful that led me the way to the completion of this thesis; A Study on Challenges of Teaching and Learning in Malaysian Smart School. Only after a thorough hard works and patience that He gave us, this thesis could be done smoothly with little limitations.

Upon completing this final year project 2003/04,1 would like to take this opportunity to express our deep gratitude to all the people who were involved in assisting me completing this thesis.

I wish to thank them who are also provided support, advices and assistance for this research. Pn. Fauziah Redzuan, Pn. Halilah Harun and Pn. Mardziah Hashim who are always encourage me to be enthusiastic and optimistic in completing this thesis. Particularly, with the strong support from Pn. Fauziah Redzuan, I successfully completed my final thesis.

Not to be forgotten, my beloved family who are always understand my busy schedule and being really supportive to my thesis. Also to my beloved friends in Universiti Teknologi MARA, Shah Alam for all the, assistance and viewpoints regarding the thesis.

Last but not least to all the people who had assisted me directly and indirectly in completing the thesis, thanks you for your help and contributions.

ABSTRACT

Smart school is one of the seven flagships of the Multimedia Super Corridor (MSC). Even though the smart school is successfully implemented, there are facing with the challenges. The study is conducted to determine the challenges during teaching and learning process. There are several challenges facing during teaching and learning process. The challenges that identified by interviews and questionnaires are insufficient IT infrastructure, lack of computers skill and difficult to change learning style. A total of 151 questionnaires were sent to the respondents and 146 sets of questionnaires were returned. Having identified and discussed all the challenges in Smart schools, possible actions have been suggested. It is hoped that once all the obstacles are overcome the goals of Smart Schools will be reality.

TABLE OF CONTENTS

DEC	CLARA	TION						i			
ACKNOWLEDGEMENT											
ABS	ABSTRACT TABLE OF CONTENTS										
TAE											
LIST OF TABLES											
LIS	LIST OF FIGURES										
LIST OF ABBREVIATION											
CHA	APTER	I	IN	NTROE	DUCTION						
1.1	Backg	Background of the Study									
1.2	Proble	Problem Description									
1.3	Problem Scope										
1.4	Proble	Problem Objective									
1.5	Proble	Problem Significance									
1.6	Project Limitation										
1.7	Terms	Terms of Definition									
1.8	Previe	Preview of Chapters									
1.9	Summary										
СН	APTER	. II	L	ITERA	TURE RE	VIEW					
2.1	History and Background										
2.2	Differ	Differences between Existing Schools and Smart School									
2.3	The M	The Malaysian Smart School									
	2.3.1										
	2.3.2	Vision	of	the	Malaysian	Smart	School	11			
	2.3.3	Key	Comp	onents	of	Smart	School	12			

	2.3.4 The Smart School Technology Intrastructure									
2.4	Key Players in Smart Schools									
	2.4.1	Students as A	ctive L	earners			14			
	2.4.2	Teachers	as	Facilitators	of	Learning	15			
	2.4.3	Administrators as Effective Managers								
2.5	Implementation of Smart Schools									
	2.5.1	Multimedia I	nfrastruc	cture			15			
	2.5.2	Training					16			
	2.5.3	Materials					16			
	2.5.4	The Challeng	es Ahea	ad			16			
2.6	Smart School Features									
2.7	Teaching and Learning Components									
2.8	Challenges in Smart School									
2.9	Past Research									
2.10	10 Summary									
CHA	PTER	III	RES	EARCH APPR	OACH	AND				
			MET	HODOLOGY						
3.1	Introduction									
3.2	Project Approach / Methodology									
	3.2.1	Phases in Me	thodolo	gy						
		3.2.1.1 Initial	Study				24			
		3.2.1.2 Detail	ed Stud	y			24			
		3.2.1.3 Resea	rch Mo	del			24			
		3.2.1.4 Data (Collection	on			25			
		3.2.1.5 Data a	analysis				28			
3.3 Summary							28			

CHAPTER IV FINDINGS AND DATA ANALYSIS