UNIVERSITI TEKNOLOGI MARA

DEVELOPING FINAL YEAR PROJECT MANAGEMENT SYSTEM RUNNING ON ANDROID APPS

\mathbf{BY}

MOHAMAD SYAZWAN BIN MUSA

Thesis submitted in fulfilment of the requirements for the degree of

Master of Science

Faculty of Electrical Engineering

March 2015 - June 2015

ACKNOWLEDGEMENT

In the name of Allah the most gracious and the most merciful and Him alone in worth of praise. I am grateful and thankful to the Almighty who help me to develop my Final Year Project Management System Running on Android Apps.

I am also want to take this opportunity to express my deepest gratitude to my supervisor, Dr. Norsuzila Yaacob for all her support, ideas, concern, guidance, trust, help and kindness. May Allah S.W.T grant her and her family paradise and successful in this world and hereafter.

To my beloved family, especially my wife without her support may be I will not be able to complete my project. I was thankful for their understanding and support which help me to go through this though period.

Finally, to all of my friends and people who were directly and indirectly being helpful and open minded in sharing knowledge during preparation of my academic Final Year Project. Thank you and may Allah S.W.T grant all of you paradise and successful in this world and hereafter.

ABSTRACT

The aims of this project is to manage the activity of Final Year Project course by developing a Final Year Project Management System which is running on Android Apps. The apps will help the supervisor to monitor and evaluate their students work progress. It also help the students to communicate and send report progress to supervisor thus this apps make the Final Year Project become convenient and easy. This apps was developed by using Android Studio, Parse.com and Sinch.com. The android studio was a Java base language were develop by Google and it is an open source mobile operating system. The Parse.com is a hosted service, providing backend service for android platform and it act like a database. While Sinch.com was used to support the Parse.com for capability to make calling and messaging apps for free. This apps provide several menu which users can send report, view report, calling, messaging, email, view students profile and many others which will be explain further more throughout this paper.

TABLE OF CONTENT

CONTENT	PAGE
DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
TABLE OF CONTENT	V
APPENDIX	vii
LIST OF FIGURES	ix

CHAPTER 1: INTRODUCTION

1.1	Background	1
1.2	Problem Statement	2
1.3	Objective	3
14	Scope of Study	3

CHAPTER 2: LITERATURE REVIEW

2.1	Introduction	4	
2.2	Final Year Project Management System Running	5	
	on Android		
2.3	Software Use to Build The Android Apps.	6	

CHAPTER 3: METHODOLOGY

Introduction

3.1

3.2

	Apps.	
3.3	Parse.com	11
3.4	Android Studio	12
3.5	Navigation Drawer	16
3.6	Login and Sign Up	17
3.7	Student Profile	20
3.8	Forum	22
	3.8.1 Chatting	22
	3.8.2 Calling	23
	3.8.3 Send Email	23
3.9	Send Report	24
3.10	View Report (Supervisor)	25
3.11	Announcement	26
3.12	Download	27
3.13	Uitm Link	28
3.14	Logout	28
CHAPTER 4: RE	SULT AND DISCUSSION	
4.1	Introduction	29
4.2	Login and Sign Up	29
4.3	Student Profile	31
4.4	Forum	32
4.5	Download	34
4.6	Send Report	35

Flow Chart the Development of the Android

8

9