

UNIVERSITI TEKNOLOGI MARA

**DESIGNING AN ANDROID
APPLICATION OF CAMPUS
NAVIGATION FOR UITM SHAH
ALAM BY APPLYING GRACEFUL
INTERACTION ELEMENTS**

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IT Project submitted in partial fulfillment of the
requirements for the degree of

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AUTHOR'S DECLARATION

I declare that the work in this IT Project was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as reference work. This IT Project has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

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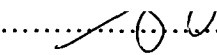
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ABSTRACT

This paper describes a project carried out towards the designing of an android application of Campus Navigation for UiTM Shah Alam by applying Graceful Interaction Elements. The functionality of this system is to assist students, staffs and visitors navigate their direction in looking and touring around the UiTM Shah Alam especially in Faculty of Computer and Mathematical Sciences (FSKM) as a sample location for this project. In order to develop an Android Application, better knowledge and understanding of methodologies is important to be used and support the development. Knowledge of all the methodologies such as Graceful Interaction Elements, Global Positioning System (GPS) Technology, Map Overlays, and follow the every phase in the research methodology will help to support the process development of an Android Application of Campus Navigation for UiTM Shah Alam. A demonstration was conducted to collect user feedback based on each of Graceful Interaction Elements applied in each interfaces of the application. The Graceful Interaction Elements were applied in each interfaces of Campus Navigation Application and from user feedback, the elements are successfully applied and the students give good satisfaction on the design. In the future works, this Campus Navigation Application are needed to be develop and testing to prove how efficient the Graceful Interaction Elements will affect the design of Campus Navigation Application. The improvement process need extends the sample location and buildings in UiTM Shah Alam which have others faculty besides the Faculty of Computer and Mathematical Sciences (FSKM) and the UiTM's static maps need to be fits with Google Maps sizes to use as overlay map.

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TABLE OF CONTENTS

	Page
AUTHOR'S DECLARATION	i
ABSTRACT	ii
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
CHAPTER ONE: INTRODUCTION	1
1.1 Project Background	1
1.2 Problem Statement	2
1.3 Aim	4
1.4 Objectives	4
1.5 Scope	5
1.6 Significances	5
1.7 Summary	5
CHAPTER TWO: LITERATURE REVIEW	6
2.1 Campus Navigation Concept	7
2.2 Graceful Interaction	9
2.3 Graceful Interaction Elements	9
2.4 Global Positioning System (GPS) Technology	13
2.5 Method of Mapping Basic Map – Google Maps	13
2.6 Method of Mapping Basic Map – Overlays	14
2.7 Android Application	15
2.8 Summary	15