UNIVERSITI TEKNOLOGI MARA

Development of Mobile Application for UiTM Shah Alam Bus Scheduling

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ABSTRACT

Development of mobile application based on android platform is one of the most popular technologies today. Every person nowadays has their own mobile application because it is very easy to carry and many thing we can do just using mobile device. Due to this phenomena the idea of development of Mobile Application for UiTM Shah Alam Bus Scheduling is derived because most of student have their own mobile device or smart phone and most of student using bus campus to attend the class. An interview has been conduct with students in this campus to identify the current problem student faced regarding bus services in UiTM Shah Alam and from that the objective for this research also identified. Based on the interview, student needs to wait for the bus without knowing the availability of the bus and usually bus is not on time. This mobile application will help UiTM Shah Alam students to get their bus and know the estimate arrival time for the next available bus to reach to their destination. Mobile Application Development Life Cycle (MADLC) is the suitable methodology to develop this mobile application. Development of UiTM Shah Alam Bus Scheduling provides the better bus campus services for the students by just using their mobile device to search and get their bus without missed it.

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CHAPTER 1

INTRODUCTION

This chapter will focus on the basic overview of research background as well as the problem that encourage the researcher to conduct this research regarding the bus campus problems that are encountered by student. This chapter also describes the objectives, significance and scope of this research that need to be accomplished completed on time and the schedule provided.

1.1 Project Background

Mobile application is one of the most popular technologies among people today. Every person has their own mobile device because it is very easy to carry and many tasks can be done using mobile application. Development of Mobile Application for UiTM Shah Alam Bus Scheduling is one of the alternative ways to help students in UiTM Shah Alam while using bus campus services to enhance their daily activities more smoothly that supported by GPS in this application.

Based on the study of transportation in UiTM Shah Alam, most students have a problem with transportation especially for those who do not have their own transportation and use bus services as their public transport in this campus that provide by UiTM Shah Alam. Many problems regarding bus campus services are encountered by students such as bus schedule during peak hour. They also need to know the arrival time of the buses at the bus stop. By using smart phones many tasks can be perform easily and also can help users to organize their daily activities because the information are provided in their smart phones (Ribeiro, 2012).