

Universiti Teknologi MARA

**Informative Real-Time UiTM's Bus
Mobile Application based on Global
Positioning System (GPS)**

**Nur Khairunisa Zulaikha binti Mohamad Iskandar
Shah**

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ABSTRACT

A research project on a mobile application that locate the location of UiTM's bus to help the students of UiTM as the main passenger of the transport by providing them the information that they needed. The common problem of using the public transport as such is that the timing seems to be usually are not scheduled and this could waste the passenger time. The objective of this project is to design a mobile application that provide the real-time information of the bus location through Global Positioning System (GPS), to develop a mobile application that increases the efficiency of the bus as the transportation through the knowledge of the information and lastly is to test the functionality of the application in terms of applying the Global Positioning System (GPS) navigation. The target user for this application is the passenger of UiTM bus and the UiTM's bus driver. So, basically the scope area includes all route that is use by the UiTM buses. Therefore, with this application it is in hope of helping the passenger better.

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CHAPTER 1

INTRODUCTION

This chapter briefly explain about this informative real-time public transport application based on the Global Positioning System (GPS) navigation using mobile application. It covers on the overview of the whole system starting from its background of study, the problem statement, the objective of the project, the scope and significance and the summary for the whole chapter.

1.1 Project Background

Transportation is the technology created by mankind for the mankind. It is the technology to help in the movement of either humans, animals or even goods to travel between two locations or more. The mode of this technology can be pretty much various of its kind which includes in the air, water, pipeline or even cable. The most widely used mode are on land, which also divided into various types such as the bicycle, motorcycle, car, van, bus and others.

MARA University of Technology (UiTM) is a public university that established for the Bumiputra in Malaysia. It provides 34 campuses throughout the country and primarily based in Shah Alam, Selangor. The Shah Alam campus provides a total of 6 different bus routes for its students as the transportation over a small part of both section 7 and section 2 in Shah Alam which connect through the campus and the inside part of the campus itself.