

**Universiti Teknologi MARA**

**A Mobile Application For Uitm Bus  
Scheduling System**

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## **ABSTRACT**

The Bus Scheduling System is an integrated electronic management system. This system ensures that the management process can be done smoothly. This system will also help reduce the faults caused by human faults. This system was developed as one of the solutions to switch from current manual practices to more systematic computerized systems. This final year project proposes a mobile phone application that provides information on buses, bus numbers and even online and offline bus routes.

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# CHAPTER 1

## INTRODUCTION

The history and justification for the research are given in this chapter. It also provides specifics of the value of internet privacy, the problems and issues that led to this project.

### 1.1 Background Study

Technological developments have affected the field of life. The development of technology has brought great implications on human life, including in the field of education. Mobile technology is growing rapidly worldwide at the end of 2004 is 91 million users. Mobile technology is currently growing rapidly and the success of development in Bluetooth, Wireless Application Protocol, GPRS (General Packet Radio System), Wi-Fi and UMTS (Universal Mobile Tele communicational System). Mobile technologies such as wireless networks (Wi-Fi), hotspots, 3G (Third Generation) mobile phones, personal data assistants (PDAs) or palm talk, laptops, tablet PCs and so on. The development of 3G networks shows the technological structure for mobile phones and mobile technology computers is available and among some mobile devices that provide convenience to users.

#### a) Telephone

Phones are known as mobile phones, wireless cell phones are electronic, mobile, proximity devices used as voice or data communication devices through a network of base stations known as cell sites. In addition to standard voice functions such as telephones, mobile phones are now able to support many additional GSM services and have additional mobile phone features such as short message service, SMS for text messaging, e-mail, packet converter for internet access, games, Bluetooth, infrared, camera with video recorder and Multimedia Messaging Service (MMS) for sending and