

**Universiti Teknologi MARA**

**Notification Alert System through SMS  
(PTPTN Students)**

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**In name of Allah, the Most Gracious and the Most Merciful, Peace be upon the Holly Prophet, Muhammad s.a.w**

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## **ABSTRACT**

Short Messaging Services (SMS) is a service for transmitting text messages between mobile phones and also external systems such as electronic mail, paging and voice mail systems. In today's digital age, this service has become a valuable and effective tool for the students in education environment. Some universities have used the SMS technology to improve the effectiveness of their services such as exam result notification, class cancellation, class changes, appointment reminders, class schedules and so forth. With SMS, students can be reached in anywhere and anytime with ensuring that message is delivered. This project called the notification alert system through SMS for PTPTN (Perbadanan Tabung Pendidikan Tinggi Nasional) student in UiTM. It is designed to provide announcement to the students regarding their academic billing through SMS. Text message will be sent to the students when financial department has processed the academic bill. The message will act as an announcement to the students that their academic billing has been processed. Therefore the students will be more aware of their academic billing and able to take immediate action if the information of the bill is not accurate. The major application for the system is to send message to a group of students simultaneously.

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# CHAPTER 1

## INTRODUCTION

SMS (Short Message Service) was designed originally for person-to-person messaging service. A sender can use his mobile phone to send a brief text message to a recipient. When the recipient's mobile phone receives the SMS message, he is notified by his mobile phone with a sound or a vibration. The recipient can read the text message immediately or later. Even if the mobile phone is turned off when the sender is sending the message, the recipient can still be notified as soon as he turns on his mobile phone. This will guarantee the delivery of the message within a period of time. Since its invention, with the aid of computer technology, SMS has been used extensively in the wireless world, many information such as news, financial information alert notification, etc. have been sent with SMS. The mobile phone is very popular today among people and is carried by its owner most of the time. This makes SMS very useful.

This project called the notification alert system through SMS for PTPTN (Perbadanan Tabung Pendidikan Tinggi Nasional) student in UiTM. It allows PTPTN students to retrieve related information regardless of their location via handheld devices. Text message will be sent to the students when financial department has processed the academic bill. The system will help the PTPTN students to obtain the information of their academic billing status for the current semester. The message will act as an announcement to the students that the academic billing has been processed. This project is being conducted with the intention of improving the convenience of information retrieval.