UUM Mail Notification System Using Mobile SMS Application

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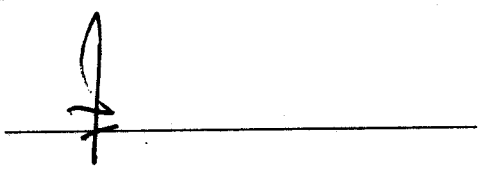
(Signature) : 

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ABSTRACT

Today, technology is moving towards the future of the wireless web. Mobile devices such as palmtops, handhelds, and cellular phones are becoming all the rage. People want these devices to do everything from access their e-mail accounts, to utilize the internet, to access personal and corporate information. One type of service that is available is a technology called SMS (Short Messaging Service). SMS is the technology that allows text messages to be received and sent over mobile devices. In the UUM Mail Notification System Using Mobile SMS Application prototype can know the student the contents of the Mailbox from mail (letters, Bills and Parcels) and details of this mail. The researcher suggest this system because the post office in University Utara Malaysia (Pos Malaysia Berhad UUM) not able to inform or to notice the students whether they receive the mail or not, and of the increasing number of students at the University Utara Malaysia (UUM), etc. Therefore, developing a system to help students face these obstacles and to save time and effort being a must. So, this study aimed to provide a service for students to know states mail. Student need to register with the system in order to obtain the service by going directly to the Mail Distribution Center of residential college and give all information to the staff or by visiting the web site and fill up the registration form. Registered students will be notified via SMS if receive new mails. By using this prototype, students can easily get necessary information.

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LIST OF ABBREVIATIONS

API	Application Programming Interface
ASP	Active Server Pages
CEPT	Conference of European Posts & Telegraphs
CIMD	Computer Interface to Message Distribution
CLR	Common Language Runtime
ETSI	European Telecommunication Standards Institute
GPRS	General Packet Radio Service
GSM	Global System for Mobile communications
HTTP	Hypertext Transfer Protocol
IIS	Internet Information Services
ISDN	Integrated Services Digital Network
LMS	Learning Management Systems
MMS	Multimedia Messaging Service
MNS-SMS	Mail Notification System Using Mobile SMS
MO	Mobile Originated
MSIL	Microsoft Intermediate language
MT	Mobile Terminated
ODL	Open and Distance Learning
PC	Personal computer
PDA	Personal Digital Assistant
PMB	Pos Malaysia Berhad

POP3	Post Office Protocol version 3
PU	Plovdiv University
RS232	Recommended Standard 232
SIM	Subscriber Identity Module
SMS	Short Messaging Service
SMEs	Subject Matter Experts
SMSC	Short Message Service Center
SMTP	Simple Mail Transfer Protocol
SPSS	Statistical Package for Social Sciences
TAP	Telecor Application Protocol
UCP	Universal Communications Protocol
UML	Unified Modeling Language
UNISA	University of South Africa
URL	Uniform Resource Locator
USB	Universal Serial Bus
UUM	Universiti Utara Malaysia
WAP	Wireless Application Protocol
3G	Third Generation
3GPP	Third Generation Partnership Project

CHAPTER ONE
INTRODUCTION

1.1 Introduction

Since the earlier ages of using technology, the inventors and scientists were always trying to create methods and develop techniques in order to achieve the most flexible and easiest ever life for the humanity.

Nowadays the wireless technology considered as one of the most important and common technologies which can be used in several applications. One of those applications is the mobile technology which occupies a wide area of our daily life since it is very rarely to find any person didn't own a mobile; more over the mobile devices are considered as very flexible devices since they are easy to use and to be carried out every where by the users.

People always want to be in control. They need real-time information whenever they need. With the advance of technology, mobile phone is no longer a luxuries item. It's easily available and posses by most population of our country.

The popular communication technology which used today is SMS, WAP, MMS, GPRS, and 3G. Among these, SMS is considered as the most widely used because of it is supported in all modem mobile equipment, and it is low usage cost (Sang et. al., 2003).

The rapid deployment of mobile technology has increasingly provided people and organization with ability to work away from office and be always on run. The mobile technology was developed to create ubiquitous environment where information can be access at any place and at any time. The availability of this environment is made possible by adaptation of two emerging technology infrastructure for connectivity (e.g. Bluetooth, Wap, and GPRS) and mobile information appliance such as mobile phone, personal digital assistance (PDA) and laptop computer.

The contents of the thesis is for internal user only

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