A Research: SMS Based Student Intimation System

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Abstract: It is a real time monitoring system which allows parents to check attendance and academics records of their ward. It also helps to college administrative people to maintain student related information. It is time consuming task to check each and every student attendance to the parent. This project gives the information to the parent about their wards like attendance, examination schedules notifications. Mobile phone seems to be an asset most individuals’ posses, and take almost everywhere with them, it is therefore a highly effective means of bringing information to them faster, easily and on the move.

Introduction

Parents/caretakers of the students studying in colleges/schools need a lot of information about their children like attendance, examination schedules, examination results, notifications, due particulars and library books due dates. Unfortunately, there are only two ways are obtaining this information by the parents/caretakers in the current day situation either call the college administrative department or go to the college personally to obtain that information. Both the options are time consuming and cause unnecessary inconvenience to the parents/caretakers. This project deals with development of education services based on short message service (SMS). Here the student is intimated about any information/notification through SMS. SMS software is proposed in this paper. SMS is one the most basic features and is provided in all mobile phones. It is also one of the easiest and fastest ways of communication. A study has revealed that a student’s access to mobile phone technology is very high and therefore mobile phones present a very attractive option to ease communication between the students and the Department. The study also shows that there are a number of advantages that accrue from the use of SMS for communication. Students prefer SMS because it keeps them informed of what is happening at the University. Most students felt happy and connected to the university. This shows that SMS communication is an effective way of communication between educational institutes and its students.

Related work

There is a need for a SMS based student information system for schools and colleges, to provide timely and critical student information to the parents and caregivers through SMS. Hence, we are using SMS gateway technique for sending SMS on parents and students mobile numbers. A SMS gateway is a website that allows users to send SMS messages from a web browser. A gateway is a network node connecting two networks that use different protocols. The most common gateway is the internet gateway, which connects a home or enterprise network to the internet. An internet gateway also often acts as a security node, variously filling one or more security roles, such as proxy server, firewall or network address translation server. Gateway can take several forms including routers or computers and can perform a variety of tasks. These range from simply passing traffic on to the next hop on its path to offering complex traffic filtering, proxies or protocol translations at various network layers.

Proposed work

- The proposed system is based on mobile phone. This application allows the students and parents/caregivers to receive an SMS from the schools and colleges on their registered mobile number. No mistakes are done regarding students marks and attendance details
- Availability of information from a single source.
• Without any time delay the student’s marks and attendance details are send through the SMS to the mobile.
• Monitoring student-related activities.

The proposed system overcomes the drawbacks (like college visit or calling the institute person to know their results) of the existing system.

Advantages of proposed system:

1. Student can easily get any information or notification issue in college which doesn’t require any room physically.
2. Provides effective communication channel between the college and the student.
3. Availability of information from a single code.
4. The student will get their test score also in a through SMS.
5. Without any time delay student’s marks are send through the SMS on their mobile
6. Monitoring student-related activities.

Results and Discussion

Nowadays mobile communication is a necessity as one of the ways of acquiring information. All level of users, including higher education students have a mobile phone as one of their communication device choice. This paper explores the adoption of web based SMS system to measure the usability and effectiveness of this broadcast communication option in disseminating information among students and lecturers. Prototype was developed by adopting iterative software development process- RUP. Use of Short Message services (SMS) for various applications have increased significantly. There is still one area where these services have not been utilized to the right potential is in the field of academics. Although it has the widest reach of all the technologies in the college campus, it is still very much underutilized in the student services administration. In this paper, assessment of SMS based applications for student services administration is explored and an approach for implementing these applications is proposed.

Advantages of proposed system:

• Students/parents easily get latest update of the college
• Easy retrieval of information.
• Easily notes and assignment providing.
• User friendly screens to enter the data.
• Portable and flexible for further enhance.
• Web enabled.

Conclusion

As academics are one of the most important aspects in life, it is extremely important for educational institutes to provide effective and timely services to the students concerning general student affairs. This paper introduces an approach for implementing such services quickly through a low cost computer application. The application uses the Short Message Service (SMS) feature that is widely available in every mobile phone, which makes it one of the most efficient methods of communication. Use of Automated Short Message Services for communication between educational institutes and its students is an efficient and simple approach for students to keep track of their academic progress and other on campus activities, saving time and stress for the students as well as faculty members.

Future Scope:

• Extraction of useful information such as student score card.
• Adding the picocell network to provide free SMS’s.
• Development of web applications platform other than android.
• Extending the system to provide student access via other networks.

References


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[15] Sreangsu Acharyya , University of Texas, Austin , Sumit Negi IBM Indian Research Lab , L.V. Subramaniam IBM Indian Research Lab Shourya Roy IBM Indian Research Lab , “Unsupervised Learning of Multilingual Short Message Service (SMS) Dialect From Noisy Examples”.

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