EVENT INFORMATION SYSTEM WITH SMS NOTIFICATION FOR IMPERIAL LEARNING CENTER

John Alren Mesias [*1] Kelvin Daracan [2], Lemuel John M. Manalo [3] and Jonh Rhey A. Buena[4]

[*1]College of Computer Studies, Trimex Colleges, Biñan, Laguna, Philippines
alrenjohnmesias@gmail.com[1]
[2] College of Computer Studies, Trimex Colleges, Biñan, Laguna, Philippines
kelvindaracan@yahoo.com.[2]
[3] College of Computer Studies, Trimex Colleges, Biñan, Laguna, Philippines
manalo.trimex@gmail.com[3]
[4] College of Computer Studies, Trimex Colleges, Biñan, Laguna, Philippines
buenarey.trinmex@gmail.com[4]

Abstract: Mobile phones are before long considered as a necessary bit of individuals' well-ordered lives which is used for correspondence and gives separated data. The utilization of mobile phones isn't normally constrained to the letter alone, in any case presently utilized for enrolment to respect included associations like upheaval exhorted, prepared systems, and takes note. The Event Information System with SMS Notification that can help customers with dealing with their events in any condition will give understudies and guards an information structure that is straightforward and easy to use. The purpose of this is to consider is to develop a module that will help the understudies of Imperial Learning Center (ILC) in Imperial Silang Cavite, for basic access concerning with the school events, announcements, and understudy's class plan.

Keywords: Information System; Learning; Event; SMS Notification; Mobile Phone

1. INTRODUCTION

Mobile phones are getting to be prevalent being used these days and Philippines is considered as the messaging capital of the world with more than 1 billion instant messages sent for each day. SMS have been produced with various requests and make another methodology for association and correspondence.

Innovation has enhanced our lives from numerous points of view not merely by making things quicker and more helpful; it associates individuals and makes them closer. The change gives us a chance to venture to every part of the globe without leaving our work area. One incredible case of evolution is advanced mobile phones that can help individuals in settling on better shopping choices and to be vitality productive. With every year passing year, innovation is rising in each industry. It has changed steadily over the years. The rate at which innovation changes and occasion patterns create is stunning.

This examination has pursued the occasion slants in making a valuable occasion the executive's framework and has concentrated on creating an electronic chance the board framework named Event Information System with SMS Notification that can assist clients with managing their occasions in any condition.

Majestic Learning Center still uses a logbook for their selected understudy who is hazardous in putting away their information. This school likewise has occasions like Quiz Bee rivalry, exploring, sustenance day, and so on. Be that as it may, when the events are going to come, their methods for informing them is posting a paper on their front door which isn't useful for guardians who are not going by on their school and they likewise publish an article when their class is dropped on account of a terrible climate or an occasion. That is the reason numerous guardians understudies still go to school even though there are no classes on that day since they are not advised.

Event Information System with SMS Notification can store the enlisted understudy in its database and shield it from any conditions.

This framework will likewise inform the guardians in each occasion and declarations on their telephone through SMS, and they can also see the full points of interest on the site of this framework. This will be useful for the school as well as to the guardians and understudies.

The improvement of the Event Information System with SMS Notification for Imperial Learning Center will furnish understudies and guardians with a data framework that is easy to use and simple to utilize. A created Event Information System with SMS Notification would be an essential instrument, enhanced to serve the school for commercializing and educating guardians and understudies of the forthcoming exercises and giving an electronic data framework.
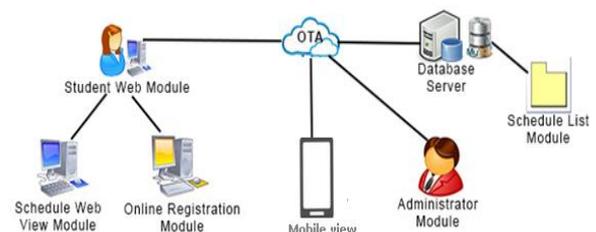
1.1 DESIGN OF THE STUDY

Figure 1 System Architecture

In this stage, the system architecture is presented. The figures show all components and flow of Event Information System with SMS Notification.
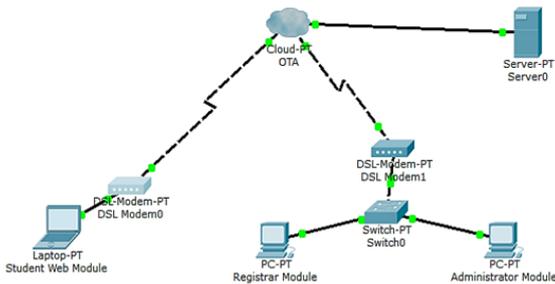
1.2 NETWORK INFRASTRUCTURE

Figure 2 Network Design Infrastructure

2. RELATED WORKS

SMS-Based Event Notification System [1]

A referred to by Olaleye, Olaniyan, Eboda and Awolere, the short message benefit (SMS) innovation is the most steady and most generally utilized portable specialized techniques after telephone calls. Most understudies of tertiary foundations pass on mobile phones which are fit for getting short messages as procedures for event cautioning. On a principal level, text can be used either as a confined correspondence to give the customer information, for instance, refresh, alert, etc., or as a two-way correspondence that engages the customer to send and get data, (for example, question and reply). Occasion notice (through SMS) is an exceptional technique for prompting customers around an event booked to deliver results inside a specific period in an establishment.

Flexible texts are an amazing aide for correspondence when there is a need to submit information in like manner at extended partitions or without well-working correspondence system or establishment, or when the all-inclusive community can't physically meet the staff that is concerned, given that the cost of the text is low and it is available basically to everyone. It has been found essential to use the substance illuminating in various measures like educational condition applications. Commonplace instances of these applications are different types of updates and guidelines, detailing of research center test outcomes or home evaluation for understudies, remote controlling and checking and so on.

SMS Based Information Systems [2]

As indicated by Pankaj the Short Message Service (SMS) licenses content based messages to be sent to and from PDAs on a GSM arrange. Each word has a most extraordinary length of 160 characters. The probability of using SMS in Africa is ending up rapidly high. It is generally used for things, for instance, sedate care and advised takes note. In Mozambique prosperity experts can reinforce examination and treatment through Bulk SMS and

even in Uganda, Malawi and Benin prosperity guidance messages are sent by texts. Advancing on a mobile phone has ended up being dynamically noticeable as far back as the rising of SMS in the mid-2000s. Various applications require the ability to do ceaseless notice when events occur. Often the overall public who ought to be kept aware of events is in a remote region. These straightforward frameworks have starting at now had an essential impact. The inspiration driving why SMS moves beyond: With the enormous improvement and lacking establishment in various countries, voice and where open IP are essentially not conceivable aside from if there is gigantic speculation to raise the systems. SMS will traverse notwithstanding when the "organize is occupied" for quite a long time. A portion of the conceivable administrations that exist are: vehicle stopping framework, M-learning, advertise data by means of SMS, mechanized horticultural noting framework, and numerous others. SMS informing has just indicated extraordinary strong.

A Generic Web-Based Event Management System (GEMS) [3]

As indicated by Amrisal (2016), Information innovation has advanced bit by bit amid the most recent two decades which has created parcel frameworks that can help human in doing day by day errands. Such sort of day by day work incorporates occasion the executives by numerous clients — the advanced incident the executive's frameworks have been changing throughout the latest couple of year and have been giving offices from manual to online to versatile applications. Meeting and event industry anticipated that the rate at which advancement is changing would make the occasions patterns bewildering. When all is said in done, new improvements can enable organizers to design better, be more inventive and connect with participants more. Some product has some issue with installment technique moreover.

Additionally, it isn't successfully and productively fulfilling a predefined set of clients by enabling them to accomplish a predetermined arrangement of assignments in a specific domain. With the end goal to beat these issues, there is a requirement for a superior occasion the executive's framework. Arrangement for the client is likewise in need. Scan for an event organization arranges that considers both self-arranged and automated "coordinated" methods. These highlights can fundamentally redesign the by and large client involvement with the event by attracting members, control affiliations and reviving business.
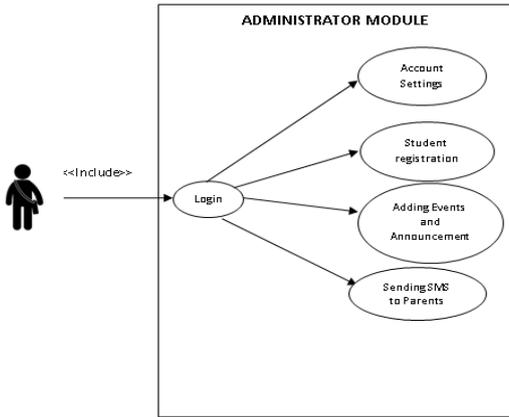
3. USE CASE DIAGRAM

**Figure 3 Use Case Diagram
Administrator Web Module**

The head can acknowledge understudy account enlistment, Adding occasions, declaration and SMS Notification for the parent. The administrator permits the enrollment of understudies.
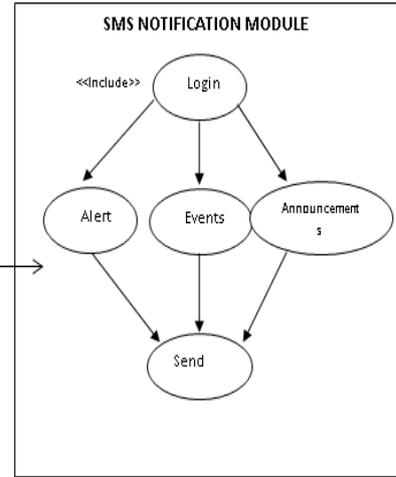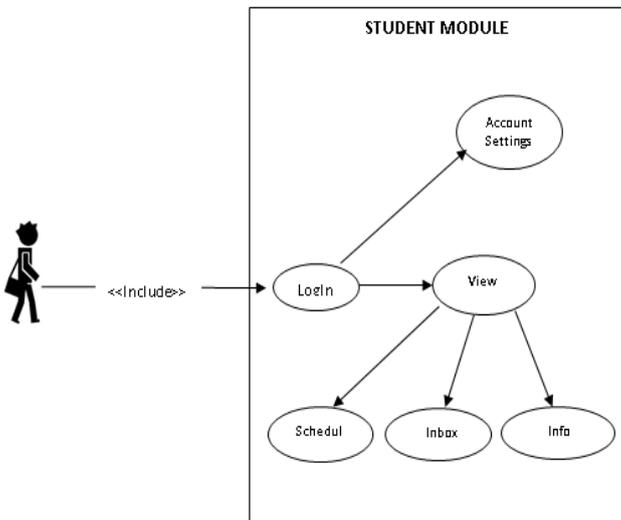

Figure 4 Student Web Module

The understudy is required for enrollment with the end goal to log in and visits his scholarly status. The enrolled understudies are not equipped for altering grades related data, but instead, they have a specialist to refresh their data. The survey technique is the rule of inspiration driving this module.

Figure 5 SMS Notification Module

The SMS Notification was containing three classifications: Alert, Events, and Announcements. The parent is the collector of the notification and SMS. Through this Notification, the parent will know about his/her youngster if there is an approaching occasion or cancelation of class and notice that the parent will remember whether their tyke is damaging any tenets of the school. The administrator has a specialist to send SMS to the chose collector which is the parent.
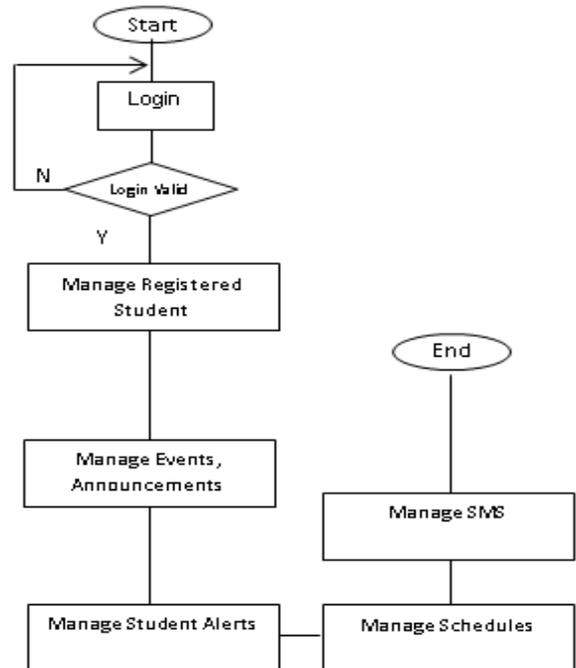
4. FLOW CHART

Figure 6 Administrator

The administrator can oversee enrolled understudy, occasions, declarations, understudy alarms and calendars. The administrator just permitted sending SMS.
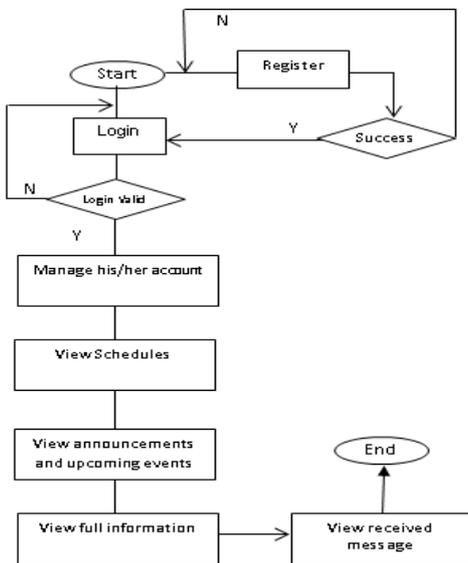
Figure 7 Student

The understudy need to login before they can see occasions and declarations. They will look at all declarations, plans, up and coming events and the message from the administrator.
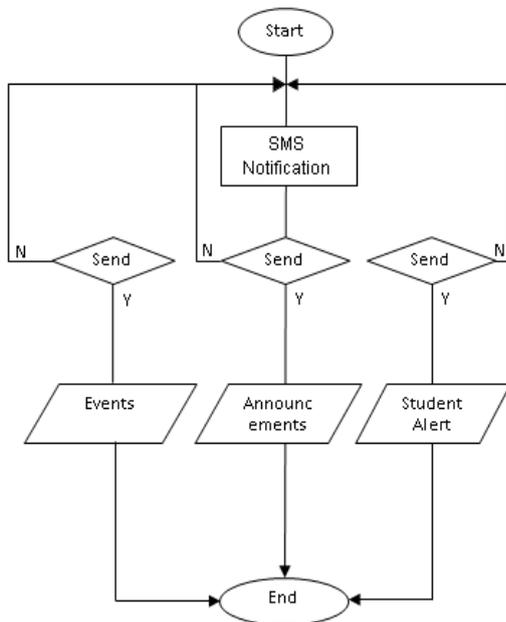

Figure 8 SMS Notification

The administrator is the person who handles sending SMS to guardians. The guardians will get a message concerning in Events, Announcements, and Student alarm. Under request data/exchange sheet, the client needs to check and refresh the occasion subtle elements previously continuing on the online installment. He/she can likewise drop the exchange if necessary. The client will advance to the online payment and pay for its request. Twofold check the subtle installment elements. The application will send SMS notice to the client and the proprietor as confirmation of request and installment exchange. The client will sit tight for the affirmation inside 24 hours.
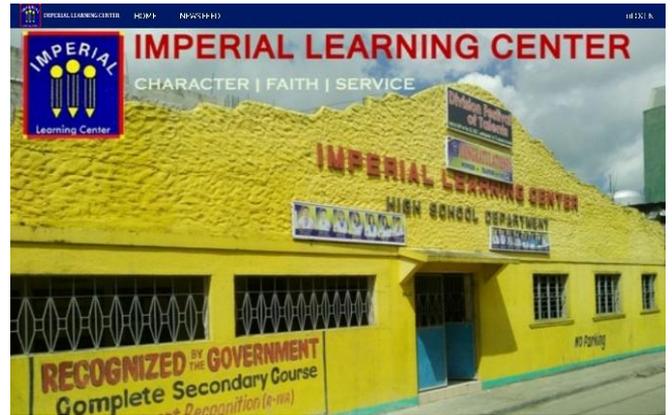
4. RESULTS AND DISCUSSION

Figure 9 Imperial Learning Center Homepage

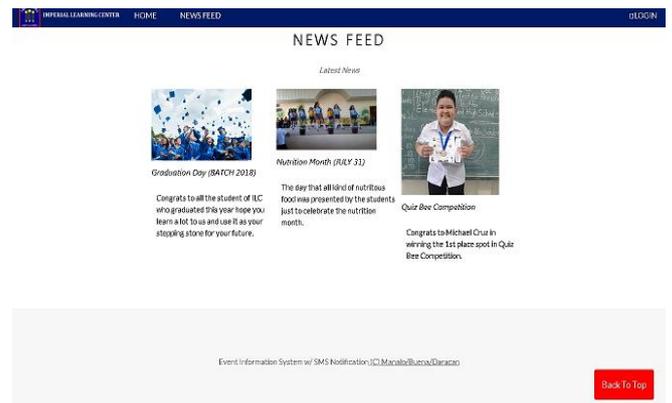The homepage will demonstrate the news and different exercises in the school.

Figure 10 News feed of the school

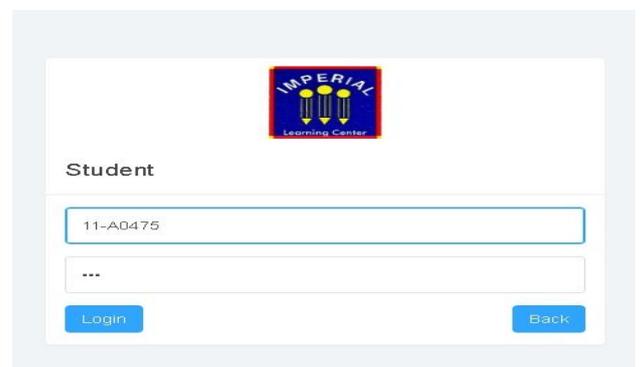The important news feed and events that is happening in the school.

Figure 11 Student Login Page

The login page of the student to confirm that you are a student

Figure 12 Student Registration Page

In this page, the students will input their full information with username which is the Student-ID and password that they will use for logging in.

Figure 13 Information of Student Page

Figure 14 Alert Message Page

Figure 15 Schedules of Students

Figure 13, 14 and 15 shows the student information page. In this page, the understudies can see their full information, class schedule and student alert message.

Figure 16 Sending Alert message to parents

The study is to develop a Module that can notify parents via SMS such as school events, announcements and student alerts

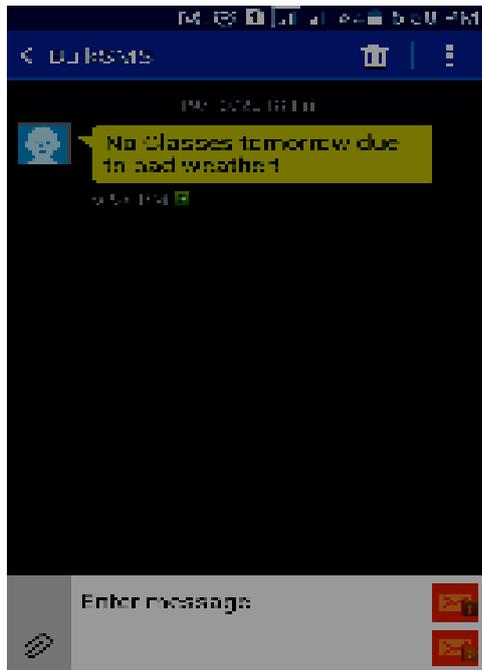Shows the add form and the list form after sending to parents.

Figure 17 Sending Announcements to parents

Shows the add form of the announcement and history after sending.

Figure 18 Event View on Calendar

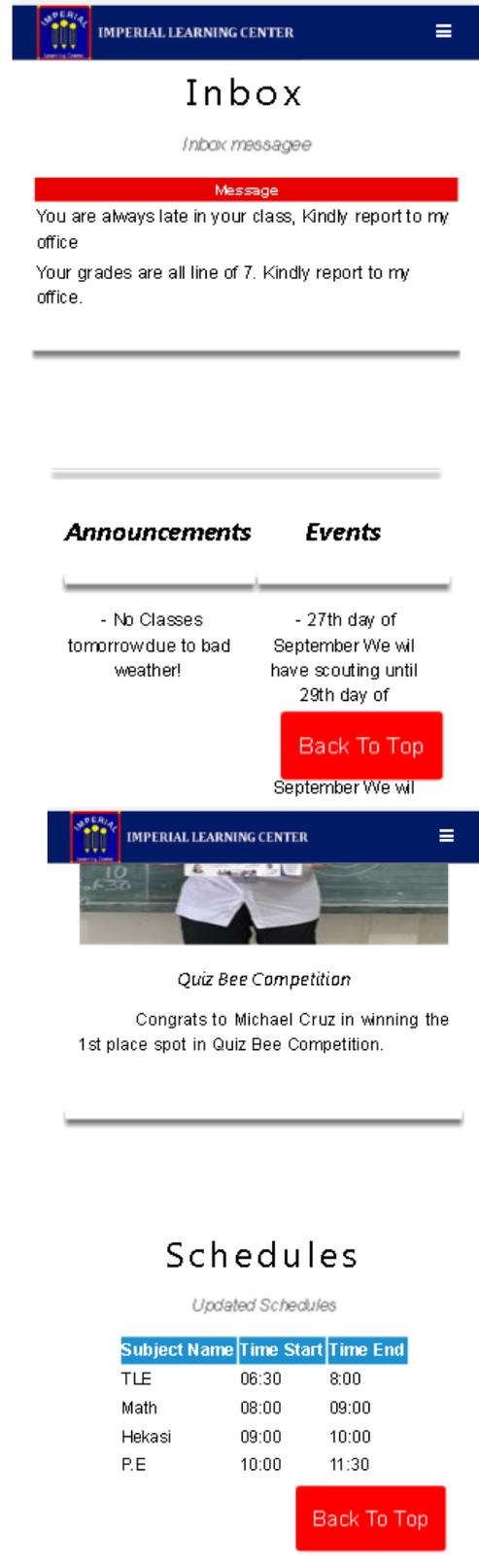Events on calendar and display it on student page.

Figure 19 Application and viewing of events, announcement and alerts

The application will easily view the alerts, announcements and other important event in the school.

5. CONCLUSIONS

With the use of the web advancement, the manual technique of checking understudy is significantly less requesting to regulate and snappier to figure the tally of the impressive number of understudies. Survey events, presentations, and timetable online will kill the use of paper. Parent will viably advise with the occasions and declarations with the utilization of SMS.

5.1 RECOMMENDATIONS

It is consequently prescribed that the proposed venture of "Event Information System w/SMS Notification in Imperial Learning Center" will push the school to see their up rapidly and coming occasions, declarations, plans and to screen all enlisted understudy effectively and use for the people to come.

REFERENCES

[1] Olaleye, Olaniyan, Eboda and Awolere "SMS-Based Event Notification System," 2013.
[2] Amrisal "A Generic Web-Based Event Management System (GEMS)," 2016.
[3] Ramil G. Lumauag "Sent Sms: School Event Notification through Sms," Iloilo Science Technology University.