

Mark Announcement System to Reduce Workload in Continuous Student Monitoring

¹Jafar Ali Ibrahim, ²Dr. M. Thangamani

¹Research Scholar, Anna University, Tamil Nadu, India

² Assistant Professor, Kongu Engineering College, Tamil Nadu, India

Abstract: The “ANNOUNCEMENT SYSTEM” is designed Using visual Studio .NET. The coding language is Visual basic .NET and Microsoft Access as backend .The project involves Student marks, reviews, notifications to their parents mobile whenever the examinations are conducted, announce parents meeting, time table, notify any incident to the parents mobile.

Keywords – Announcement system, .NET, Microsoft Access

PROBLEM DEFINITION

There is no application with these features to reduce the risk management details of student. So, this project identifies that, and helps to improve the information retrieval, send sms/email to parents about their son/daughter marks, notification and privacy of the data are efficiently through the application. The old system is done manually. All the data are collected processed and send as hard copies. They maintain the records as hard copies in the files. The preparation entire documents are very tough. The main aim is to store and retrieve student details and send SMS/E-Mail to parents. This project, user (faculty) can able to add and update student details via this application. The data are maintained in database. When the user wants to need the data, they can easily retrieve the data via this application.

OBJECTIVE OF THE PROJECT

The proposed system is computerized system. It is mainly required to maintain the marks system and produce the report through that application .All the details should be maintained through the development application.

The following are the main objective of the project

- Through SMS and easy retrieval of the stored data.
- Faster and efficient in processing of information.
- System is to done pc operations by authenticated person.
- Interact with parents
- User friendly.
- Time consuming.
- Reduce Human errors.
- Reduce paper based problems.
- Reduce parent and child problems.

EXISTING SYSTEM

The existing system is used manual. The user has been maintaining their system manually is a tedious job. All the process must be done manually. The users are interested to

speed up the Operations and all the operations must be done automatically. Existing system is the manual one which has the following drawbacks.

Drawbacks of Existing System

- Data duplication and slow retrieval of data.
- Marks are handwritten and too much paper work.
- Parents know their son/daughter attitude.
- Waste of time for manual operations.
- Lot of pc operations cannot be stored in the files.
- Sometimes the operations done manually will prone to unsecured access.
- Unauthenticated accessing.
- Required information cannot be retrieved easily.
- Manual processes will take time.
- So the desire for the development of the proposed system had become essential.

PROPOSED SYSTEM

The proposed system is to computerize for various purposes. Data regarding the user mobile numbers details are collected and maintained for secured process. The latest technology will be used in the proposed system.

Advantages of Proposed System

The proposed system has following advantages

- Through SMS and easy retrieval of the stored data.
- Faster and efficient in processing of information.
- System is to done pc operations by authenticated person.
- Interact with parents
- User friendly.
- Time consuming.
- Reduce Human errors.
- Reduce paper based problems.
- Reduce parent and child problems.

DATAFLOW DIAGRAM

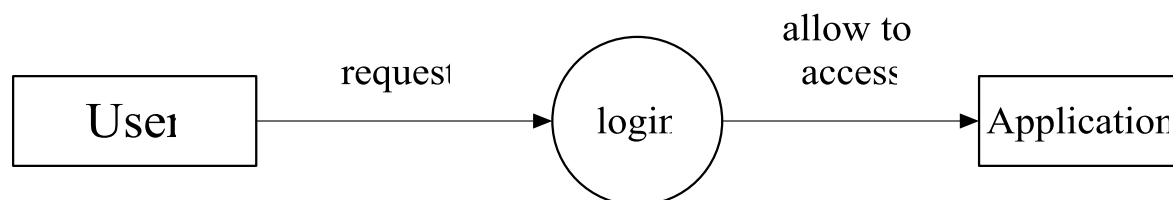


Figure 5.2.1-LEVEL 0

LEVEL 1

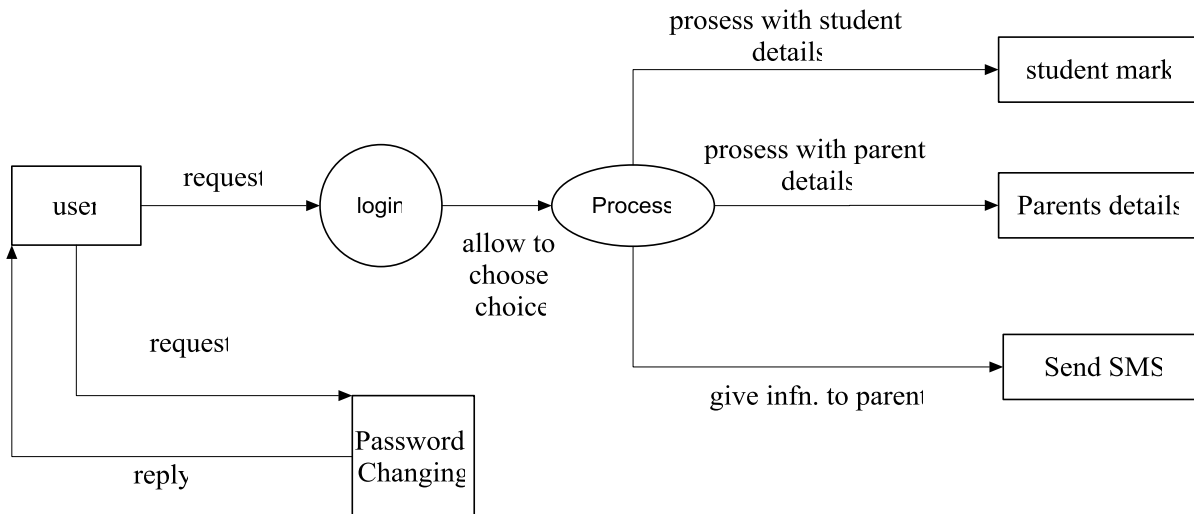


Fig.1 LEVEL 1

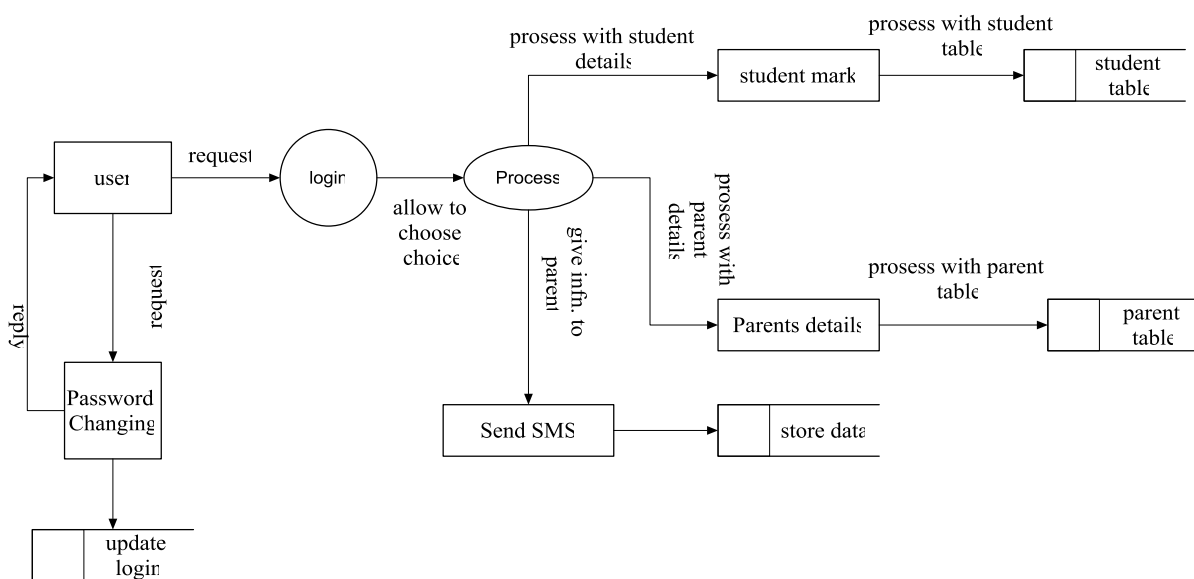


Fig. 2 LEVEL 2

IMPLEMENTATION

This project is a windows application software project. This announcements student's marks, remarks and notification to their parents mobile. If there any remarks or notifications of/for students the faculty can go this application and enter the messages, and then sends to parents unique mobile phone which is available services are presented to parents. When sending message, it will be stored in database for referring and evidence.

In this windows application the faculty can sent at any time and their contents can be edited or deleted. Once faculty submitted the message which stored in MS Access. At present

the student and mark details are maintained manually. There may be chance of making mistakes, loss of data and difficult to access and analyze the data in case of manual maintenance. The proposed system maintains the student details about marks, remarks, notifications, etc. with the help of the computer. Visibility on Student details was readily available to the user [faculty] of the system. This system automatically sends a SMS when mark, remark, notification, etc. have submitted.

Modules are mark details, student Details, send SMS and parents reply. Mark detail is used with all information about the mark details and student details are used with all information about the Student details. Parents reply is used with all information about the student details from faculty to student. Send SMS is sent SMS/E-Mail used with all information about the sending SMS like remarks, marks and notification. Sample screenshot is shown in Fig.3 to Fig.5

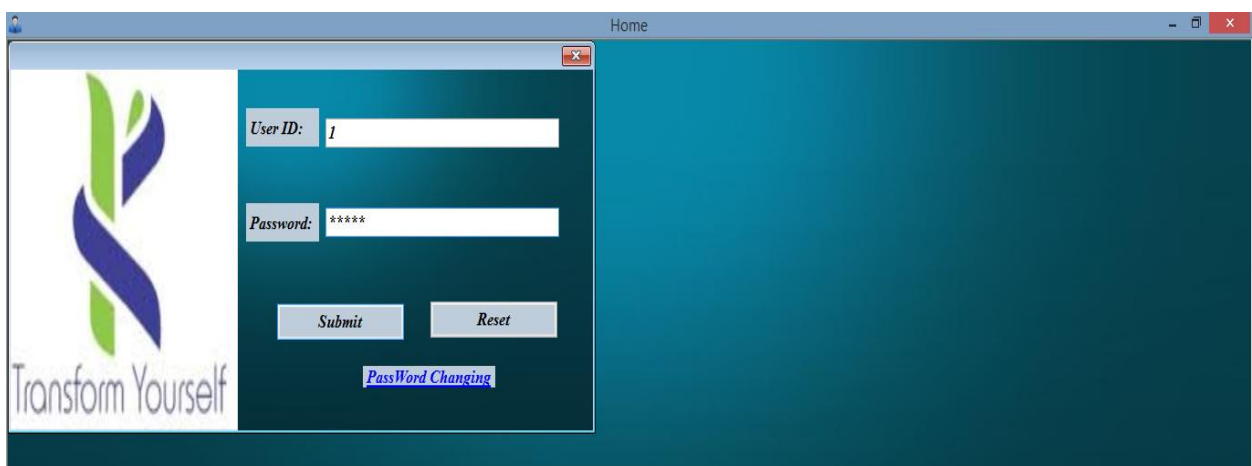


Fig.3 Login Page



Fig.4 Choice Page

Home

Department Of CT-UG

Branch: Information Systems Semester: 5

Roll.No : 14BIR001 D.O.B: 04-11-2012 00:00:00

Name : K.Harsha Blood Group: A-ve

Ph.No. : 9976331213 Address: Velliyam Palayam, Thiruppur

E-Mail: kalaiselvicdf93gmail.com

Remarks: good mornin sir,
we conduct parents
meeting on 05.10.2016.
Please join this meeting
thank you

Parents Name: Karthikeyan

K.Kokila

Submit Reset Send SMS Send E-Mail

Parents Ph.No : 8760982458

minipro
Message successfully sent
OK

Fig.5 Notification Page

RESULT AND DISCUSSION

The project “ANNOUNCEMENT SYSTEM” has been designed and developed as per the specification. The project is very simple for clear understanding. The code written in this project is very clear. The system is tested with various sample data. Since the data to be handled is more, manual record maintenance become a time consuming one especially generating the reports. Through the application, the student attitude analysis becomes more feasible and available for at any time. It also provides more security. Student details are maintained manually. The server application has a backup facility to backup and restore the database. This helps to prevent the loss of data and consumes time. The data related to the marks, profile details etc. can be accurately managed. The new system eliminates the difficulties in the existing system. It is developed in a user-friendly manner. The system is very fast according to the user wish that can be viewed or retaken at any level.

The project successfully verified which is specified in the abstract and system analysis concept. There may be chance of making mistakes, loss of data and difficult to access and analyze the data in case of manual maintenance. It minimizes the time consumption for manual sales and service record.

CONCLUSION AND FUTURE ENHANCEMENTS

The project is compatible to include any future enhancements, required by the system. In future the project, there is a chance to include some modules to enhance the communication and a relationship between the parents and faculty, the future system would have enhanced activities appropriate for the future environment, using Artificial Intelligence architecture. It has been developed in a user friendly manner with all the necessary help menus. Fundamental requirements define the fundamental actions that the system must perform.

The project has covered all the requirements and improvements can easily be done. Since the coding is mainly structured or modular in nature. Improvement can be appended by changing the existing module or adding new module.

References

1. Alistair Mc Moonies, "object-oriented Programming in Visual Basic", First Edition, Pearson Education and ISBN: 81-297-0649-0, PP.126-130, 132-140, 2004.
2. Jittery R. Shapiro, "The complete References Visual Basic .NET", Second Edition, Tata McGraw-Hill Publishing Company Limited, New Delhi, pp.105-115, 2002.
3. Roger S. Pressman, "Software Engineering", First Edition, Tata McGraw-Hill publishing Company Limited, pp.221-230, 234-238.
4. Robert D. Schneider, Jetty R. Garbus, "Optimizing SQL Server", Second Edition, Pearson Education Asia, ISBN:981-4035-20-3, PP. 131-138, 143-145