Analytics Based E-Student Management System Through Data Intelligence

P.Princy[1], K.S.Priyanka[2], D.Sujitha[3], Mr.M.Balamurugan[4]

[1, 2, 3] Dept of CSE
[4] Head of Department, Dept of CSE
[1, 2, 3, 4] The Kavery Engineering College, Salem

Abstract- *System realization including analyzing, managing and developing front end application using data intelligence. In recent years, the android technology has brought many drastic changes in the mobile Application provides generalized solutions to monitor various works that are carried out by college for managing it. It deals with the kind of student detail, college detail, course detail, scholarship detail and other resource related details. We can register as a user, and user has two types: user and administrator. It is functional, flexible, and convenient application and friendly interface provide good guarantee for student.*

Keywords- E-Student Management System;front end application using Data intelligence.

I. INTRODUCTION

Today all the work, at the time of admission of the student is done manually by the ink and paper, which is very slow and consuming much effort and time. It is required to design a computerized application e-student management system using data intelligence, to speed up and make it easy to use system

By reducing those drawback, it is used to create a android application for managing the admission of the student. Colleges and universities are important for teaching talent also, through this system the standardized management, the workload of management can be reduced by creating student admission registration application, and students can know about the field, after selecting the department .During the time of admission it takes to more time to fill the registration form, to overcome this, it is easy to collect the information quickly through data intelligence. In this paper, videos about the department and images of our college is done to attract the students. In our college, there are four types of branches(fields) are available as Engineering college, college of engineering, Polytechnic college, arts and science, heath and science, and B.ED.We designed the application for all the departments in our college.

There are incomparable advantages via using computers to manage student information such as search, find convenient, high reliability, large memory capacity, confidentiality, long life and low cost and so on, which can greatly improve the efficiency of student information confidentiality, long life and low cost and so on, which can greatly improve the efficiency of student information management, promote school management to scientific, information technology, and standardization transform. Level programming structures with visual, object oriented and event-driven can be used to develop the type of Windows environment applications. Users can complete the design with dragging and dropping, which not only greatly reduced the workload and simplified the interface design process, but also effectively improved application efficiency and reliability.

II. LITERATURE SURVEY

There are several studies conducted on different approaches on measuring the effectiveness or usefulness of particular online services. The studies vary from the technology adoption model and criteria used to determine the factors influencing the user satisfaction of a certain online services.

Zhibing Liu Huixia Wang+ HuiZan"Design and Implementation of Student Information Management System" 2010 International Symposium on Intelligence Information Processing and Trusted Computing

In this paper, we discussed that, the Public functions and global variables could be storein public module throughout projects in Visual Basic, andyou can greatly improve the efficiency of the code by calling module functions, variables in the project. As the systemmodules use varieties data in the database frequently itrequires a public data manipulation function to perform avariety of SQL statements.

Jhon O. Inoco Alexander A. Hernandez Assessment on the Effectiveness and Satisfaction of Students in eStudent Information Portal

This paper focuses on the function description and analysis of the system, and program access to the database through ODBC (Open Database Connectivity,), due to space constraints, the specific implementation process and program code give examples only.

Negeri jakarth tahun,2009
Online student registration system

By this paper, we gathered that,the student is one of the most important activities within a university as one cannot survive without student registration is the software which is helpful for student as well as the department. In this software we can register as a user and user has two types, student and administrator. Through this online system, we can overcome many problem: Time and money is saved, nothing is done manually, long lines in the easier job for the administrator and the student of any organization. The software requirements are: My SQL, HTML, PHP, RDBMS and PHP. In this project, we have the provision for adding the details of the authorities is become less. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it found unnecessary student.

Liangqiu MENG

College student management system design using computer aided system

This paper proposes a design for college student management system based on computer aided system. The proposed college student management system is organized in a hierarchical way, including: web display layer, business logic layer, data access layer, and database layer. ER diagram of the college student management system is described as well. In the end, functional module design for college student management system is discussed.

S.R.Bharamagoudar

Web based student information management system

This paper assists in automating the existing manual system.This is a paperless work. It can be monitored and controlled remotely. It reduces the man power required. It provides accurate information always. All year together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decision by the management. So it is better to have a web based information management system. All the faculty and management can get required information without delay.

This system is essential in the colleges/hostels and universities.

III. EXISTING SYSTEM

The system has basically realized the function requirements in demand analysis. The use can enter into the system interface after successful logging. The student information management module is a composed of that the student achievement management, class management,test subject management and user management logging is permitted only after the validation is passed.The whole system is passed. The whole system is easy to access and easy to maintain.

There is a great need for a fast,reliable,efficient and easy automated system which will help in updating and provide the best way for interaction in short duration of time.

They can have some manual work to update the student information into the database and it takes more time to update the information into database.They have the redundancy work.

S.No	Name of the author	Title of paper	year	Description
[1]	Amita Dhale	"Smart Connect" an android and web based application	2014	An application for college management System using android technology
[2]	S.R.,Bharamagoudar	"web based student information management system"	2013	SIMS provides a simple interface for Managing college
[3]	Negeri jakarth tahun	"online student registration system"	2009	Student registration and updating the department activities
[4]	Jahav snehal Balasaheb	Web based college admission system	2014	A software to manage the entire operations of the instituions
[5]	Zhibing Liu	"Design and Implementation of Student Information Management System"	2010	To perform the variety of SQL statements and variety of data in database

IV. PROPOSED SYSTEM

In this paper ,the efficient system for admission manasgement system has been designed and developed with the technology of big data ad data intelligence.Big data is more about analyzing and storing collection of datas.Here,students can use the android application to register their information at any location. The entered student details are stored in the server,that can be help for administrator to view the list of registered students for admission.

Student can very flexibility search for college details and their achievements.The administrator can use the android application with some authentication.Management can edit their profile and update them constantly.Administraor is connectred with this system using web application. He has centralized control on this system. He will have the authority to allocate the ghigher authorities to vaarious departments. The guideline is approved by administraor which follows by other.using this system the faculty could easily inform with the parents of students and also they reduce the faculty manual works.They get information about events by college.

V. PRESENTATION OF MAIN CONTRIBUTION OF THE PAPER/SCOPE OF RESEARCH

Objective

The main objective of this system is to reduce consumption of time during maintaining records of college admission process. In other word college admission process has following objectives:

- Simple database is maintain.
- Easy operation for operator to get use with system.
- User interfaces are user friendly and attractive.
- Reduce workload for management.
- Students can visible about our department videos.

Fig: Architecture

DATA FLOW DIAGRAM

A Data Flow Diagram(DFD) is a graphical representation of the "flow" of the student management system. A data flow diagram can also be used for the visualization of Data Processing. DFD shows the interaction between the system and outside entities.

This context-level DFD is the "exploded" to show more detail of the system being modeled. A DFD represent flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function and transform the given input into required output.
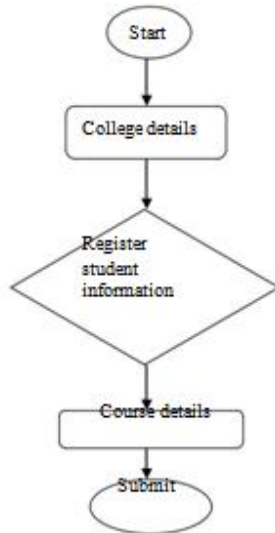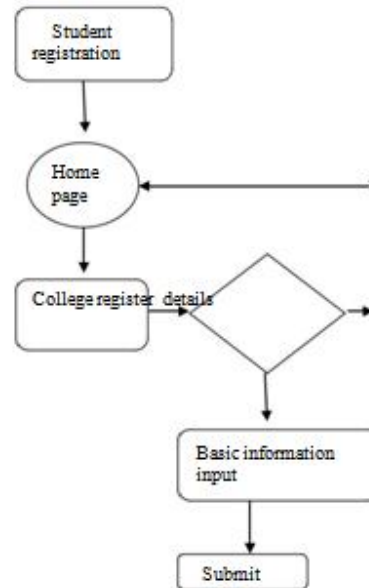
Fig: Data flow diagram

VI. WORK PLAN

Modules	title
1	registration
2	content
3	analysis
4	admin

Fig: Registration module diagram

VII. SOFTWARE REQUIREMENT SPECFICIATION

This section provides software requirements to a level of detail sufficient to enable designer to design the system and tester to test the system. This section contains all of the functional and quality requirements of the system. It gives a detailed description of the system and all of its features.

Purposes:

The purpose of the project develop the application which will be useful for challenge admission system.

Scope:

To speed up and make it easy to use the system using data intelligence.

Benefits:

Reduce manual work and management workload, maintainity etc.

VIII. CONCLUSION

Public functions and global variables etc. could be store in public module throughout projects in Big data analytics, and you can greatly improve the efficiency of the code by calling module functions, variables in the project. As

the system modules use varieties data in the database frequently it requires a public data manipulation function to perform a variety of MYSQL statements.The paper focuses on the function description and analysis of the system.

This application in automating the existing manual system.This is a paperless work. It can be monitored and controlled by application it reduces the man power required. It provides accurate information always.All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management.Data intelligence can reduce the time to enter the student details and admire the student. So it is better to have a android based college admission system.The administrator can get the required information without delay. This system is essential in colleges.

REFERENCES

[1] Huajie Chang. Design and Implementation of Student Information Management System.
    [D].Chinese Master's Theses Full-text Databases.2009.

[2] Wu Dan. Design and Implementation of Student Information Management System.[D]. Chinese Master's Theses Full-text Databases, 2008, (06).

[3] Wang Lei. Design and Implementation of College Student Information Management System [D]. Chinese Master's Theses Full-text Databases, 2007, (03).

[4] Zaiyue Liu, ChangliQiu. Design and Implementation of the Student Information Management System Based on B / S structure [J] Modern Information, 2009, (04).

[5] Xiaoqiao Wang. Design and Analysis of Student Information Management System [J] Academic Journal (Xiangtan Normal University (Natural Science), 2003, (03).

[6] Z. Liu, H. Wang and H. Zan (2010, "Design and Implementation of Student Information Management System," 2010 International Symposium on Intelligence Information Processing and Trusted Computing, Huang gang, 2010, pp. 607-610.

[7] 2015,software requirement specification situspenbama universities negerijakartatahun 2015.

[8] MohndNazri, "development of web based student information system in campus
    environment" international journal of computer and electrical engineering, august 2009.

[9] huhongxin,cuiming "development scheme of mobile campus information integration platformbased on android".

[10] DonFelker, "Android Tablet Application Development For Dummies" johnwiley and sons,2012.

[11] Diego Totrres Milano, "Android Application Testing Guide", packet publishing 2011.