

Student faculty relationship application (For VCET)

A.W.Rebecca Shirley Cynthiya, V.Logalakshmi,
Velammal College of Engineering and Technology, Madurai

Abstract-This project is based on student and faculty interaction. It manages the student information and interaction of the student and faculty online, work can be reduced and faculty can sanction all documents online. It keeps tracks of all the student records regarding assignments,

1. Introduction

This student faculty relationship project developed using PHP programming language. The main aim of this project is to go paperless and become digitized even at lower levels. It provides a simple interface for maintenance of student information and easy interaction between student and faculty. i. Assessment module which contains assignments, student module, exam module, leave module, course module and discussion forum. All the records are stored in MySQL database. The proposed software will also reduce the cumbersome list of paperwork, manual labor as well as communication cost.

1.1 Objectives

- Providing the online interface for student and faculty.
- Increasing the efficiency of college record management.
- Decrease time required to access and deliver student records
- To make the system more secure.

Data flow diagram:

The detailed flow diagram is shown in Fig.1.the design of student faculty relationship application

includes the design of the homepage which provides the way for all students and faculties to access SFRA. Every user of the SFRA has a unique username and password. The homepage mainly contains a login form through which a student can register or an existing user can login to the system directly by entering the username and password.

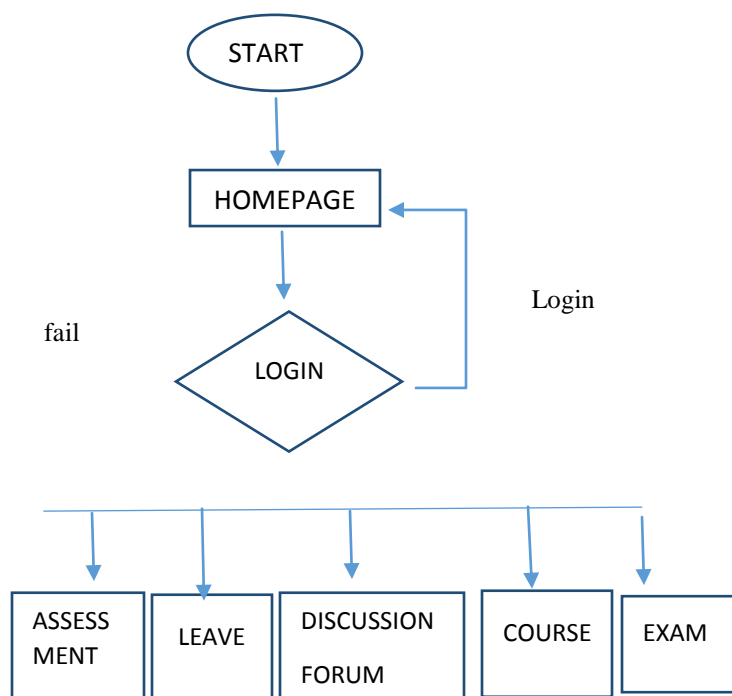


Fig .1

1.2 List of modules

a) Assessment module:

Assignment is posted by the faculty with time limit, which can be viewed by the corresponding class students. Students can submit digital content on or before the deadline. Faculties can view a list of

students who have submitted the assignments and award the mark.

b) Leave module:

student can apply for leave online and faculties can approve or cancel the leave request based on the reason.

c) Course module:

All the course are posted in course module. Students can view them. All the study materials, lecture notes related to the subjects are posted and shared. Students can download the materials when needed.

d) Exam module:

This exam module is responsible for updating internal examination results. And students can verify their marks by checking the mark details updated by the staff.

e) Discussion forum:

This discussion forum is a “online bulletin board” which is a general interaction among students where you can leave and expect to see responses to messages you have left. Any doubts, clarifications can be dealt in this module. any student can share post, videos, audios, documents related to subjects.

1.3 Requirement analysis:

The basic requirements for the SFRA are:

- Every user should have their own identity login facility,
- User can update his/her personal information and can view the exam results, course materials, leave status and assignments status etc.

- Exam section, course section can update any of the information.

1.4 Pre requisites:

1)HTML: HTML is a hypertext markup language which is, in reality, a spinal cord of any website. Any website can't be structured without the knowledge of HTML. If we make our

web page only with the help of HTML, then we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as static and dynamics methods. And here we are using this language to make our web pages more effective as well as interactive for users to understand. And to make our web pages dynamic we are using Javascript and XML.

2) CSS: CSS in PHP Stands for (Cascading Style Sheet). Cascading style sheets are used to format the layout of Web pages. They can be used to define way of writing or style, size of various tables, and other aspects of Web pages that previously could only be defined in a static page's HTML. The main work of CSS is to separate content of a web document (written in any markup language) that is written using Cascading Style Sheets. There are lots of benefits that one can extract through this like improved content accessibility, better flexibility and moreover, and hence gives a level of control over various presentation characteristics of the document. It also helps in reducing the problems and helps in saving access time. It gives the option of selecting various style schemes and rules according to the necessity

4) JAVASCRIPT: JavaScript is the most famous scripting languages of all time. JavaScript is a Scripting Language of World Wide Web. The main usage of JavaScript is to add various Web function, validations, detections, a creation of cookies and so on.

JavaScript is the best scripting languages and that is why it is adopted by almost all browsers. JavaScript is considered the most powerful scripting languages in present use. It is used for the client -side web development. JavaScript is used to make pages more interactive. It is a light-weight programming language and it is embedded directly into the markup syntax. JavaScript, as the name defines, was affected by many languages, especially Java.

1.5 APPLICATIONS

1. Graphical User Interface: For those of you who are up to the challenge, you can extend your PHP installation to maintain desktop applications. It is a challenge because it requires some extensive knowledge of PHP and it might be easier to maintain applications in other languages. If PHP is your favorite programming language, then you may adopt to get started creating GUI applications.

a)PHP GTK - This extension is a popular open source and easily available.

b)ZEE PHP GUI - A paid solution that allows you to turn your scripts in applications The main use of creating your own PHP GUI's is that you will learn a great deal the language itself!

RESULTS:

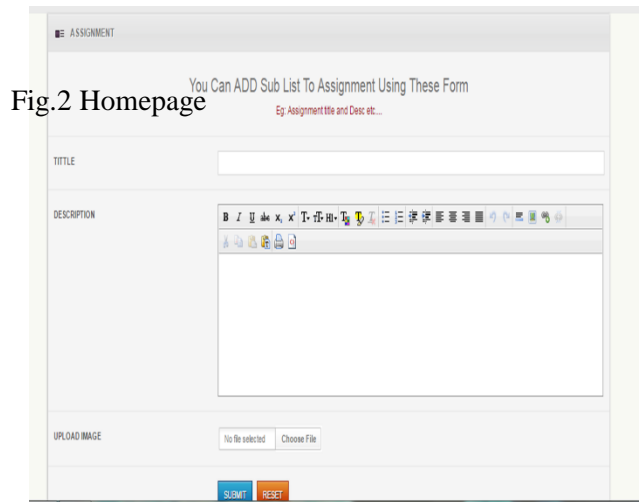


Fig.2 Homepage

Fig.3 assignment module (uploading assignment)

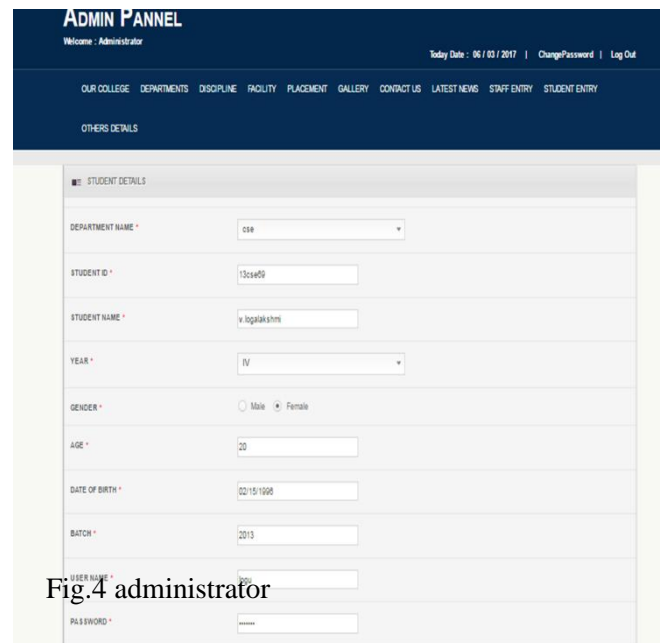


Fig.4 administrator

Annual Leave Info
Total : 27 Taken : 4 Balance : 23

Details of Event
Date Applied : 10-03-2003
Leave Type :
Leave From (DD-MM-YYYY) : Until :
Contact No. :
Leave Reason :

Verification and Approval
Substitute :
Verify By :
Approve By : ZAHRIAH BINTI SAHRI

Fig.5 leave application form

Conclusion:

This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required. It provides accurate information always.

All gathered information can be saved and accessed at any time. the data is stored and can be retrieved any where at any time. All the faculty, students and stakeholders can get the required information without any delay. This system is essential in colleges/universities.

References:

- A Research Paper on College Management System, Lalit Mohan Joshi- M.tech scholar BTKIT Dwarahat, Almora, Uttarakhand.
- COLLEGE MANAGEMENT SYSTEM Srikant Patnaik, Khushboo kumari Singh, Rashmi Ranjan, Niki Kumari Asst. Prof. 's in Dept of ECE Orissa.

- Web Based Student Information Management System S.R.Bharamagoudar1, Geeta R.B.2 , S.G.Totad3 Assistant Professor, Dept. of ECE, Basaveshwar Engg. College, Karnataka.
- Online College Management System Kartiki Sonali ,Kawle Vaibhav Suryavanshi ,Dipeeka Radke Dept. Of CSE, Priyadarshini Bhagwati College of Engineering, Nagpur University, India
- A Framework for Web Based Student Record Management System using PHP Er. Saurabh Walia1 , Er. Satinderjit Kaur Gill2 1 Student (M.Tech) CSE, Eternal University, India.