Jaypee Institute of Information Technology, Noida
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Minor Project/Synopsis Report on

"CampusKiosk"

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INTRODUCTION

CampusKiosk is an integrated web application that handles various academic and non-academic activities of a College/Academic Institute. The system can be accessed by every students/faculties/employees of the institution through internet connected computers or internet enabled mobile devices with the aid of his user name and password. Every user will have a customized home page with his/her profile management facilities.

Through links that displays in the home page the user can access different options of the website assigned to him. Though the system allows access to every one there is a significant security risk involved in this project. To tackle this problem we have a modular structure in the proposed system and a complete isolation of the financial and administrative modules from the public portal.

Web services will interact to the financial and administrative modules to fetch necessary information to display in the public portal. Although a standard password policy will be followed in the designing of the system to prevent the possibilities of malicious activities of itching users.

A self-driven module in the proposed system will accomplish the automated tasks such as Email Alerts, SMS alerts, Notifications to the administrator etc.

Reason to choose the topic

Today in most of the colleges, student details are entered manually. Collecting student details in separate records is a tedious task. Referring to all these records and updating is needed. There is a chance for more manual errors.

Problems in existing system:

- It was limited to a single system.
- It was less user-friendly.
- It have a lots of manual work (Manual system does not mean that we are working with pen and paper, it also include working on spread sheets and other simple software's)
- It requires more no of employees need to work.
- It was time consuming process.
- The present system was very less secure.
- It is unable to generate different kinds of report.

Solution

CampusKiosk contains the following activities, which try to automate the entire college management process keeping in view of the database integration approach.

- User friendliness is provided in the application with various controls.
- The system makes the overall project management much easier and flexible.
- It can be accessed over the Internet.
- Various classes have been used to provide file upload and mail features.
- There is no risk of data mismanagement at any level while the project development is under process.
- It provides high level of security using different protocols like https etc.

We at JIIT, have a brilliant system – webkiosk for this purpose. But there is a need of various functionalities in webkiosk. To name a few-

- Student notification system for low attendance in a subject
- Option to share notice by the faculty to a class
- File sharing and many more…

We don't have the authority to add these functionalities the webkiosk itself. But we surely can make one ourself. And we can help other colleges to set up this system in their own institution.

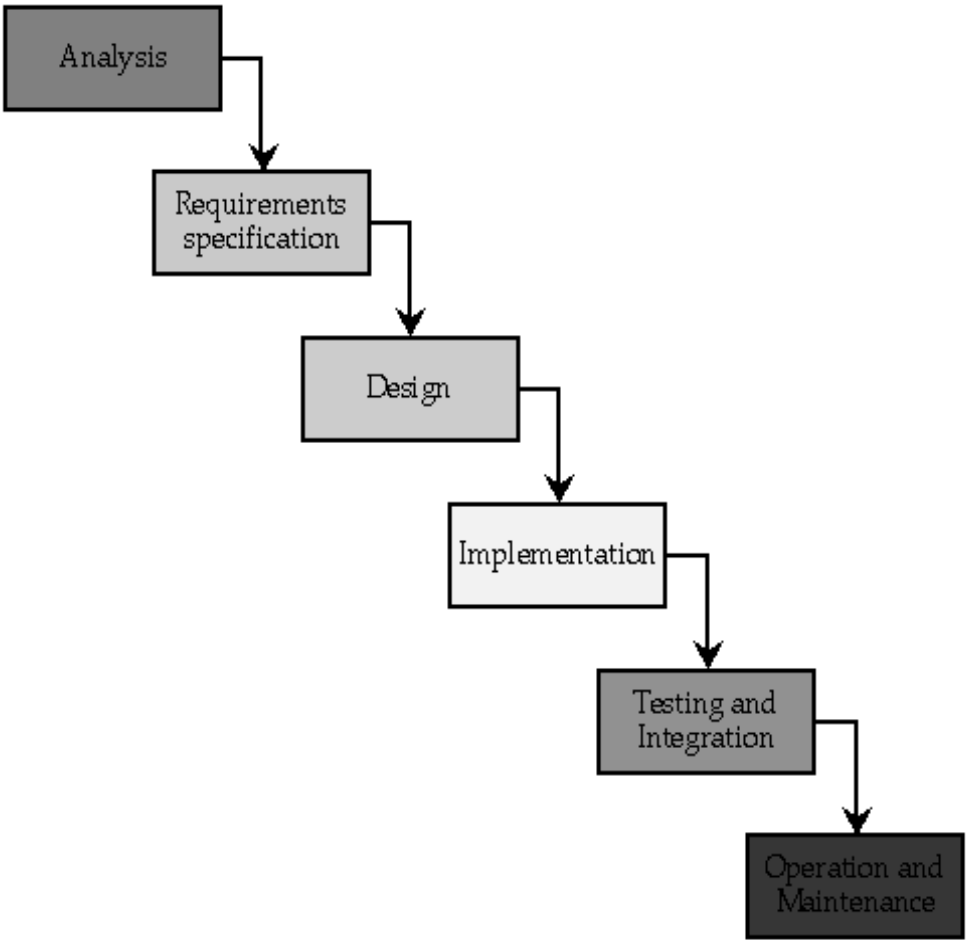
The webkiosk is developed by campuslynx. Campuslynx has also developed similar systems for all the sister institutions of jiit, iit roorkee, thapar university, Sikkim manipal university, nit arunachal Pradesh, nirma university etc. With our skills and dedication, we can make a better system and create a competition.

Objective and scope of the project

The problem is to provide the complete information about the college campus. In which the college staff members, students and parents can access the information and will be familiar with college campus. It will provide interactive environment for the staff, students and parents by getting knowledge of student attendance, remarks, exams performances, grades, timetables, notices etc.
Most colleges in india even today use registers to maintain student attendance records, excel sheets for marks etc. So, we have a big market to cover.

Methodology

We will be using Waterfall Model as Software Engineering life Cycle Process. It is the simplest; oldest and most widely used process model for software development .This model acquires its name from the fact that classic software life cycle is represented as a sequence of descending steps.



Hardware & Software requirements (minimum)

Hardware

Disc Space:	40 GB
Processor:	Pentium 3
Memory:	512 MB RAM
File System:	32/64 Bit

Software

Operating System:	Windows XP.
Client End Languages:	HTML,CSS, Java Script
Server Side Language:	PHP 5
Database:	My Sql
Web Server:	XAMPP server
Web Browser:	Internet Explorer

Testing Technologies

The project is based on php with html, css, javascript as the client side technologies. During the development of the project, we will be using Apache as the local server for testing. We will be using Github for version control of our project.

Conclusion

Being a web-based project, this proposed CampusKiosk is a dynamic website which is very easy to understand. With easy interface, anyone can easily work in the website. The website provides all details of the college including courses, subjects, events, news, attendances, results, notices, and more.

A College Management web project like this eradicates the need to perform paper works to make mark sheets and publish the mark sheet on notice board. With this system, mark sheets can be made on MS Excel and then uploaded on the website. After all, technology is there for the development of the society. And with the current college management scenarios in most colleges, there is a definite scope for development through this project.