CENTRALIZATION ONLINE PORTAL FOR HEAD OF THE DEPARTMENT

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ABSTRACT: The project "Centralization online portal for head of the department." help to head of the department to list out all the information of departments including students details & performance and staff details & performance. Head of the department have the privileges to assign and remove class-in charge, and also attendance in charges. The project implements RDBMS (stored in multiple tables) and normalization with primary, the projects run in Cloud Linux server for using lakh's users with centralization of data. The projects run's in both online and offline mode, no additional software to be installed in client systems, runs in any type of browsers. This is a web-oriented application allows us to access the whole information about the college, staffs, students, facilities etc. This application provides a virtual tour of Campus. Here we will get the latest information about the students and staffs. This generic application designed for assisting the students of an institute regarding information on the courses, subjects, classes, assignments, grades and timetable. It also provides support that a faculty can also check about his daily schedule, can upload assignments, and notices to the students.

INTRODUCTION

The system is designed to help for keeping data, storing, manipulating data and analyzing the data. Extensive information is available at your fingertips through this System. Viewing student data, managing student information and category and for examination, courses management, scheduling exam, result and related issues are made simple and easy. There are custom search capabilities to aid in finding student information and working on student records. This can make the system easier to navigate and to use maximizing the effectiveness of time and other resources. ERP allows the keeping of personnel data in a form that can be easily accessed and analyzed in a consistent way.

PROBLEM STATEMENT

The development of the new system contains the following activities, which try to automate the entire 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.

PROPOSED SYSTEM

In Our System we are providing role based accessed rights to different users, many logins are created for the user based on their access rights.

By this proposed system all the Forms, Notices, Admission forms, Class test marks, Attendance list etc. can be viewed from single system at any time. Thus, it will reduce the time and preserves the workload and each student can able to see their report by just login profile.

All the details regarding exam cell marks of each student are kept in single System with additional security so that the only authorized person can access that system and notice related to exams for students are directly put to the student portal.

COLLEGE ERP SYSTEM

College automation system is the software which gathers the basic information of student automatically. This software manages the information about various users including faculties, information about subjects offered in various semesters; marks obtained by Students in different semesters and then generate a final report of each and every student.

We have used bootstrap which increases the responsiveness of the system. If in future we want to implement this system as the web-based application or mobile application than because of bootstrap it will be easy and

automatically screen will resolve according to that. The objective of our system is to reduce the paper work and to eliminate manual processes and to save significant staff time.

SYSTEM IMPLEMENTATION

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective.

SYSTEM ARCHITECTURE
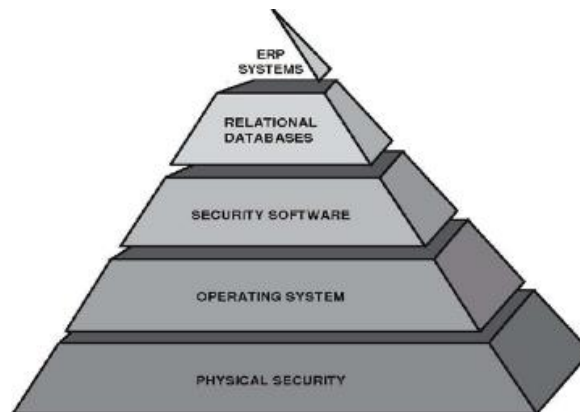
SYSTEM MODULE

UNIVERSITY MARK REPORT
Module report guidance Module reports may be read by a variety of different individuals from both within and outside of the academic unit or department, faculty and university.

SUBJECTWISE REPORT
Report description generates the best student report for overall performance, individual subject toppers and subject wise performance.
Based on the processed score, this report will give you the count of students present in a batch, session along with count of the student who have passed among

STUDENT FULL DETAILS
This module as one can easily get connected to the internet banking solution to collect fee online. Parents can avail the facility to make payment online and immediately after the payment a receipt is generated giving full details.

STUDENT FEES DETAILS
Student fees management/collection software is one of most automated fees calculation software that we can only provide paid details, deduction and concession if any applicable to the selected student. The software has various modules like course, franchise list, student admission.

METHODOLOGY
It is important for college to analyze the ERP implementation method, since the risk of failure in ERP implementation is substantial and can be a highly expensive ordeal. Typically, companies will follow a specific methodology framework to deploy an ERP system. A methodology is used to structure, plan, and control the process of implementing the ERP system. The methodology may include tools, templates, specific deliverables and artifacts created and completed by the ERP project team.

SOFTWARE ENVIRONMENT
PHP code may be executed with a command line interface (CLI), embedded into HTML code, or used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server outputs the results of the interpreted and executed PHP code, which may be any type of data, such as generated HTML code or binary image data. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.

CentOS Cloud VPS Server

CentOS is a Linux distribution that provides a free, community-supported computing platform functionally compatible with its upstream source, Red Hat Enterprise Linux (RHEL). In January 2014, CentOS announced the official joining with Red Hat while staying independent from RHEL, under a new CentOS governing board.

USE CASE DIAGRAM

In UML there are five diagrams available to model dynamic nature and use case diagram is one of them. Now as we have to discuss that the use case diagram is dynamic in nature there should be some internal or external factors for making the interaction. These internal and external agents are known as actors. So, use case diagrams are consists of actors, use cases and their relationships.
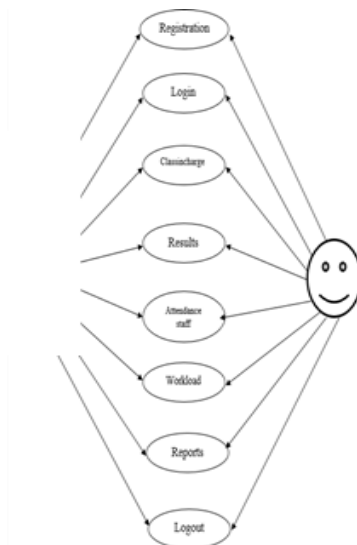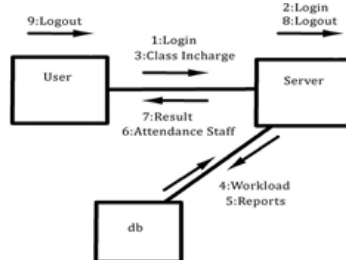

Fg1.1 **USE CASE DIAGRAM**

SEQUENCE DIAGRAM
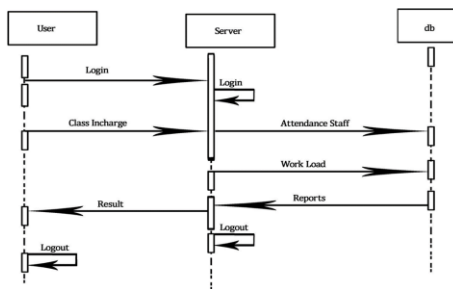
COLLABORATION DIAGRAM

STAFF LEAVE REQUEST TIME TABLE

#	Name	Type	Collation
1	date	date	
2	day_order	varchar(150)	latin1_swedish_ci
3	staff_id	varchar(150)	latin1_swedish_ci
4	staff_name	varchar(150)	latin1_swedish_ci
5	hr1	varchar(150)	latin1_swedish_ci
6	hr2	varchar(150)	latin1_swedish_ci
7	hr3	varchar(150)	latin1_swedish_ci
8	hr4	varchar(150)	latin1_swedish_ci
9	hr5	varchar(150)	latin1_swedish_ci
10	hr6	varchar(150)	latin1_swedish_ci
11	hr1_staff_name	varchar(150)	latin1_swedish_ci
12	hr2_staff_name	varchar(150)	latin1_swedish_ci

SYSTEM TESTING

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration.

CONCLUSION

The fundamental problem in maintaining and managing the work by the administrator is hence overcome. Prior to this it was a bit cumbersome for maintaining the time table and also keeping track of the daily schedule. But by developing this web-based application the administrator can enjoy the task, doing it ease and also by saving the valuable time. The amount of time consumption is reduced and also the manual calculations are omitted, the reports can be obtained regularly and also whenever on demand by the user. The effective utilization of the work, by proper sharing it and by providing the accurate results. The storage facility will ease the job of the operator. Thus, the system developed will be helpful to the administrator by easing his/her task.

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