E-Teaching and E-Learning Services for Smart Education Based on Cloud Computing

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Abstract:
This is a web oriented application which allows us to access the entire information about Anna University courses, subjects, faculties and uploaded notes. This application provides a virtual tour Anna University course details. Here we will get the latest information about the particular department, faculty and subject details. This generic application designed for helping to the students of an institute regarding information on the courses, subjects and faculties. It also provides support that a student can also check new uploaded notes and faculty online. The faculties may login (share study materials) and register their details to upload the notes. Student can communicate to the faculties through online chat.

I. INTRODUCTION
This paper is defined as an application based on intranet that aims to all the levels of management providing information within an organization. This system can be used as an information management system for the college. For a given staff the Administrator creates login id & password, using these staff can access the system to either upload or download some information from the database. The front-end will be php for client side validation where as all business logics will be in Java resides at middle layer. Third layer of database will be interacted with these layers, which would be mysql database. This project is mainly describes the particular college information details that may that college included in Anna university. In that particular college we can get access the details of faculties, semester wise information details, subjects handling faculties list etc., will be provided. The faculty will create own login and register their summaries, details in their website.

II. EXISTING SYSTEM
In existing system, college student details are entered manually. The student details in separate records are tedious task. Referring to all these records and updating is needed. There is a chance for more manual errors. The problem is to provide the complete information about the college campus. In which the faculties, students and parents can access the information and will be popular with college campus. It will provide interactive environment for the faculties, students and parents by getting knowledge of student attendance, remarks, exams performances, grades, timetables, notices etc and also we can’t access particular college details is difficult one.

III. DISADVANTAGES
• It had some limitations to a single system.
• It was less user-friendly.

III. PROPOSED SYSTEM
This system contains all activities of college, which try to automate the entire process keeping in view of the database integration approach. This project is mainly describes the particular college information details that may that college included in Anna university. In that particular college we can get access the details of faculties, semester wise information details, subjects handling faculties list etc., will be provided. The faculty will create own login and register their summaries, details in their website.

ADVANTAGES
• This application provides user friendliness with various controls.
• The system makes the entire project management much easier and flexible.
• It can be accessed through the Internet.
• There is no possible way to data mismanagement at any level while the project development is under process.
• It provides maximum security by using different protocols like https etc.
IV. SYSTEM DESIGN

![Diagram of system design]

V. MODULES

LIST OF MODULES

- Departments
- Semester details
- Anna university College Name list
- Particular College Information
- Faculty Login
- Faculty Registration

Departments
In this module we can view the number of departments that can be included in our project list. In that we select particular department name and we can view their details in that.

Semester details
After selecting department list we can view the number of semesters that can be uploaded in our project. In this we upload eight semester details. In that particular semester we click mean we can view the college name list in district wise.

Anna University College Name List
In this module it will provide the Anna university Colleges name list. In that we can choose particular college name and view that college details.

Particular College Information
In this module we can view and access particular college information such as
  - Department Information
  - Staff Information

VI. SYSTEM IMPLEMENTATION

This system mainly focused on activities involved in the colleges. At a final level of detail, deploying system consists of executing each steps necessary to educate the Consumers on the use of the new system, placing this proposed system into creation, confirming that all data required at the start of operations is present and accurate, and validating that business functionalities that interact with the system are working properly. Transitioning the system support responsibilities involves changing from a system development to a system support and maintenance mode of operation, with ownership of the new system moving from the Development Team to the Performing Organization. System implementation is the important stage of project when the theoretical design is tuned into practical system. Some main stages are involved in the implementation process. They are as follows

- Planning
- Training
- System testing and
- Changeover Planning

Planning is the first task in the system implementation. Planning means deciding objectives and time scale. At the time of implementation of any system people from different areas (i.e., departments) and system analyst persons are involve. They are identifying the practical problem of controlling various activities of people outside their own data processing departments. The line managers are controlled by an implementation coordinating committee. The committee focused on ideas, problems and complaints of user department, it must also consider;

- It related to system environment
- Consultations with available unions and resources

VII. CONCLUSION

This is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification. This concept provides appropriate information to users according to the chosen service which contains staff profiles and their uploaded notes. Students need not to present in the college to clarify their doubts. The project is designed keeping in view the day to day faculty uploaded notes.
VIII. FUTURE WORKS:

Students need not to attend the regular classes. Smart class can implement in all colleges.

IX. REFERENCES


