

A Survey on Virtual Classroom System for Online Training

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Abstract: - Developing a virtual classroom system to promote a more preponderant count of students to splurge into the field of inculcation. It integrates the benefits of a physical classroom with the accommodation of a 'no-physical-bar' virtual learning environment, minus the commuting hazards and expenses. It will usher in the immense flexibility and sophistication in the subsisting learning platform structures, with the impeccable coalescence of synchronous and asynchronous interaction. It provides an expedient of collaborative learning for the students.

Keywords: Head of the Department (H.O.D), Faculties, Students, Shared learning environment.

1. Introduction

Virtual Classroom is a concept of fortifying inculcate organizations by the expedient of facile learning, better HOD's situation and more technology oriented way of learning with the avail of the internet that makes current way of edifying intriguing. This fortifies classroom activities with media and technology that make the study more intriguing and facile to understand for the students. [1][2] This engenders a valuable environment for discussion targeted learning objectives.

2. Related Work

Subsisting System

The Subsisting system is a computerized system but which is maintained at individual databases .in excels sheets, it is a time delay process. Moreover, maintaining all the records in Excel sheets is arduous. If they operate any record, they have to probe all the records. It does not provide multiple utilize accessibilities and withal doesn't have different utilized privileges. So the system is not accessible to the employees and students of the organization

Disadvantages of Existing System

- It is a time delay process.
- Accessing all the records by utilizing excels sheets is arduous.

Proposed System

The Proposed system is a browser which is fully cognate to internet browsing. The system has many features like accessibility is facile, interaction with everyone in the organization. [3][4]It gives the entire reports of the students and faculty.

Advantages of Proposed System

- The system at any point of time can provide the information of the teachers and students.
- In this system, there is a direct interaction between students, faculty, and the Head of the Department.

3. Implementation

Head of the Department

HOD will Upload Video & Notes or pdf. HOD should be able to integrate videos which cannot be downloaded by utilizer. We can have left tree where all list of course session are populated and predicated on

that videos will be played in middle section.[5] HOD should be able to upload pdf of books or notes which can be downloaded by utilizer.

Faculties

The Edifier modules have functionalities like passing text files to students, communicating and interacting with them, accepting or gainsaying their requests, demystifying their doubts, etc.[6]

Students

The student module has the functionalities like storing the notes, making requests, demystifying the doubts with the respective faculty, etc. The Virtual Classroom System provides a virtual classroom environment that does not require any room physically. The student has to attend the online sessions. [7][8] He can attend them from any component of the world; he can even view the precedent sessions of class for his accommodation. All these sessions will be recorded and stored in the databases, and the students can make the best utilization of these recorded sessions additionally. They withal have a facility to store the notes given by the faculty.

Shared learning environment

Whether it is a student who is texting during class, an online student who makes minimal comments to the discussion board, or an Edifier who marches nonstop through mountains of material, the cognition environment is defined by a cumulating of individual comporments, and everybody contributes to what that environment becomes. It is a responsibility shared by edifiers and students. However, it is not an obligation most students seem disposed to accept. Edifiers can tell students they would relish having a positive climate for learning in the classroom, but edifiers cannot engender that climate single-handedly, and endeavoring to legislate those comporments that do and don't contribute to learning is, on that scale of one to ten, about a two on the least efficacious side. Much better are activities that develop cognizance and call for a commitment from everyone.

4. Experimental Results

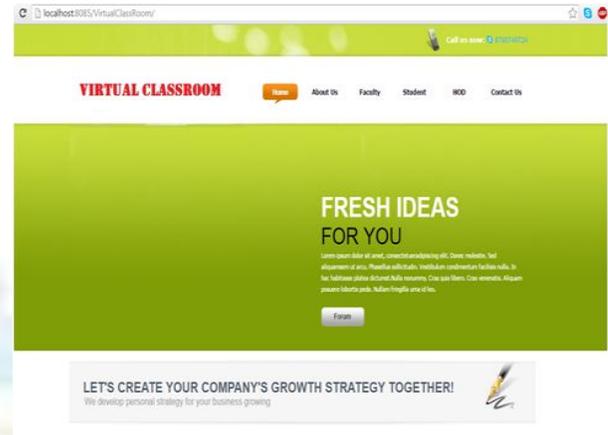


Fig:-1 Home Screen of the Project



Fig:-2 Faculty Login



Fig:-3 Results

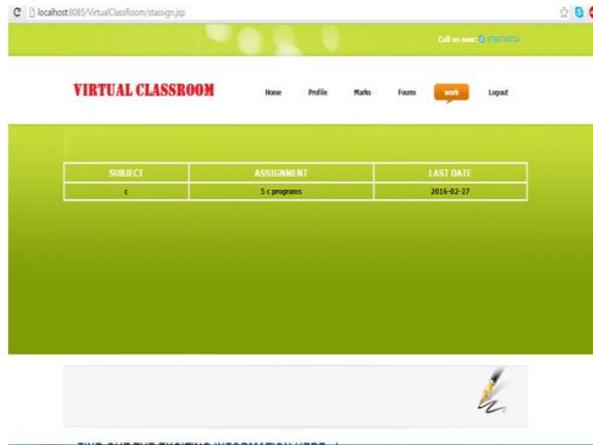


Fig:-4 Final Result

5. Conclusion

This Virtual class room provides co-ordination, management and supervision of long term and day to day curriculum orchestrating, distribution and operations. It maintains efficacious and opportune relationships both within the school and with its community. This fortifies class room activities with media and technology that make the study more intriguing and facile to understand for the students.

6. Future Enhancement

The general deployment process consists of several interrelated activities with possible transitions between them. These activities can occur at the engenderer site or the consumer site or both. Because every software system is unique, the precise processes or procedures within each activity can scarcely be defined. Consequently, "deployment" should be interpreted as a general process that has to be customized according to concrete requisites or characteristics. A brief description of each activity will be presented later.

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