

## Integrated Virtual E-Learning Environment for Disable Person

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### ABSTRACT

This paper entitled integrated Virtual environment for disable person is mainly for all educational colleges such as engineering colleges and others where there is connection between faculty, student and courses. In colleges, sometimes there may be loose connection between faculty, student and courses for some students due to some reason such as missing lectures, doing part time job along with study, distance learning courses, disable person. In effect, we maintain an updated database of all like all courses, all faculty information, all student information, all courses information, all exam information such as view previous exam question paper, view exam result, all lab manuals and maintain the database of each student with his attendance and which class he belong with his personal information. We are attempting to improve our existing system that runs generally by pen and paper now a day. It is basically designed for student who are unable to attend the class due to some reason like disable person. For that, it will help them to view lecture, view exam assignment at any time. we try to offer a range of facilities in this software that will maintain all student, faculty and course records in a much more efficient way with much less work.

**Keywords:** Virtualclass, Study material, video uploading

### I. INTRODUCTION

Today a number of website exist in world wide web online database which having very excellent study materials and information and they are very useful for any student related to study, for example those student who want to do MS from USA, [www.usnews.com](http://www.usnews.com) is a very good website for them. These website provide college information and related thing upon subscription taken. Now suppose I have some question which is very confusing in selecting colleges then what will I do.? I will go to other website to get information. In that time this subscription doesn't work. This type of problem is due to lack of interactive response and face to face communication.

In this project, we have designed software which will serve all engineering colleges' students and faculty member. Some of students are unable to attend class due to some reason as health problem, attending conference somewhere, or due to his disability. Some of students are unable to study due to financial problem. They do distance learning problem. For that, they regularly view lectures, view question paper, view examination schedule. When we talk about regular students that this project will help them in checking his attendance, viewing faculty achievements, chatting with some other student, viewing news and notices about their curriculum.

This Virtual Classroom System is available anytime without any restriction that means we can

access 24 hours a day. We can share files, videos and many more.

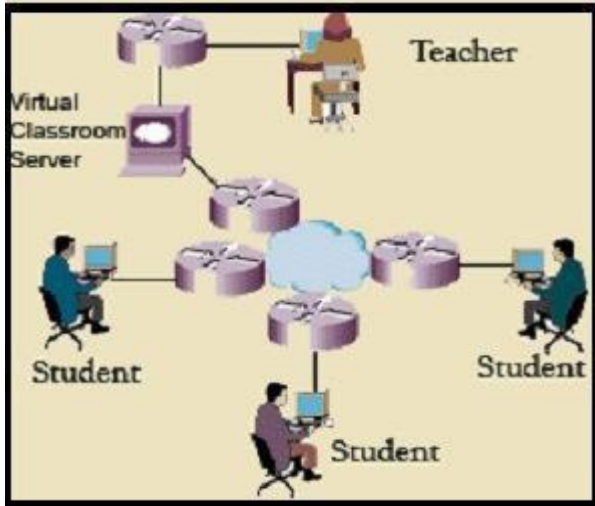
### II. CHARACTERISTICS OF PROPOSED SYSTEM

Characteristics are summarized as follows:

- 1. User Friendly:** - The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Graphical user interface (GUI) is provided in the proposed system, which provides user to deal with the system very easily to handle so that they can perform the task very easily.
- 2. Very Useful for E learning Student:** Those students who are very poor in economic or those who work in daytime can continue their study side by side using this system and learn their course through internet from anywhere. There is no need to present physically that's why name of the paper is virtual classroom system and there is no restriction.
- 3. Reports are easily generated:** Reports can be easily generated in the proposed system so user can generate the report as per the requirement (monthly) or in the middle of the session. Faculty can give the notice to the students regarding their attendance, exam, important notice.

4. **Computer operator control:** There is no chance of errors. Moreover storing and retrieving of information is easy. And interactive for students.

### III. SYSTEM ARCHITECTURE



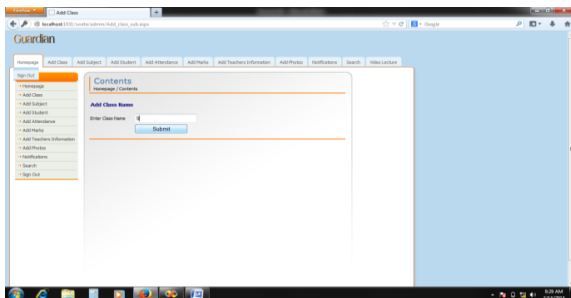
Above system shows the system architecture of virtual system where the teacher is present who can update the information regarding the subjects and notification for student. And student who can access those data for learning purpose.

### IV. SOME SNAPSHOTS OF THIS PROJECT

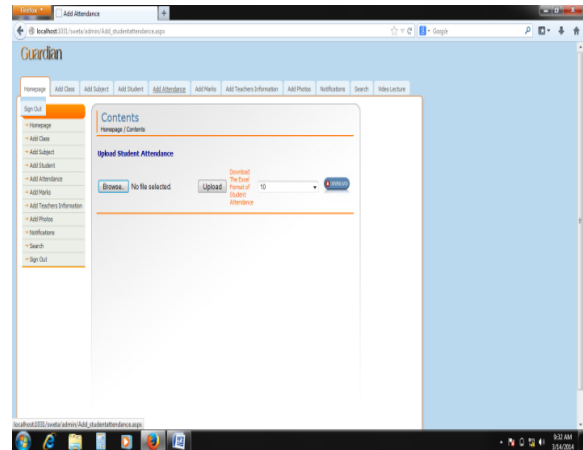
Administrator Page:



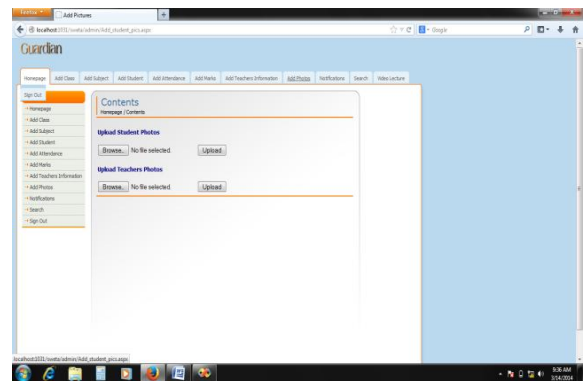
Add Class:



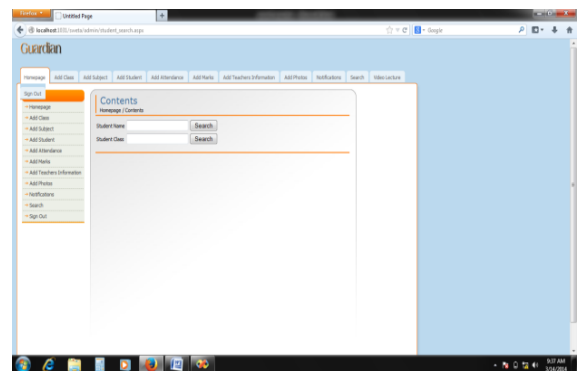
Upload Student Attendance:



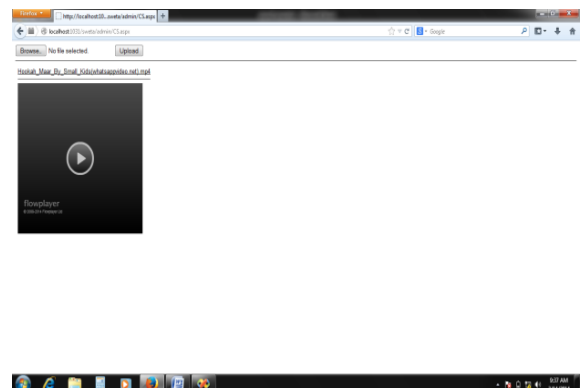
Add Faculty Information and upload photo:



Search student by Name and Class:



Upload Video lecture:



Above Snapshots shows that how admin can login who have the authority to change the database. and then how admin can add student and faculty information to his database and add student for particular class and give their attendance also and student as well as faculty can upload their photo and also give their personal information to admin. and admin can upload no of video lecture regarding subject so that those student who cannot understand the concept in one time they can download the video and understand the concept very clear by watching video more times.

#### **V. ADVANTAGES OF PROPOSED SYSTEM**

- This project can be highly beneficial for students who want to continue their study from e-learning programmed.
- Regular student can check their attendance so that they get an alert for future class.
- The ease of operation makes any user to carry out the required operation.
- Time saving process.
- Beneficial for those students who continue their education while doing job or those student who cannot attend the class due to some reason.
- Single administrator is enough to carry out all the tasks.
- Data is secured.

#### **VI. FUTURE ENHANCEMENTS**

It is not possible to develop a system that fulfills all the Requirements of the user. User requirements keep changing as the technology is changed. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system to achieve high performance.
- Security can be improved using emerging technologies.
- More modules can be added.

#### **VII. CONCLUSION**

Virtual environment have been presented an innovative idea for developing and enhancing lab practice and access for distance learners, and providing the knowledge to the students.

This project can be highly beneficial for students who want to continue their study from e-learning programmes. Virtual class provides the basic knowledge to the student who doesn't have any

idea about the experiment or any topic. They can view the video lecture so that they can better understand the concept. and collect the notes also for preparing for the exam.

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