

Virtual Education System

Introduction

In Virtual Education System connects the people who want to learn and who want to teach. It helps people who cannot go to the school or college to study like girls in backward area and physically disable people. There are three main user of the system Admin, Faculty, Student Admin will log in the system in the log in menu and the system will direct this user to admin interface. In this module there will be options to create user and course into the database and which student allocated to whom. He approves user and assure user about registration. These are the full responsibilities of admin. Faculty can be a user of the system after passing the exam taken by the VES. He will log the system in the log in menu and the system will direct this user to faculty interface. In this module there will be option to upload material like ppt, pdf, and video. Student can be a user of system by registration into system student can select one or more subjects. He can study the as per his convenience. Appear for test, View progress report and participate in extra-curricular activates online.

Scope:

The growing popularity of Internet and e-learning introduced new terms to education, such as “Virtual Education System”. May be in the near future students will not go to anywhere in order to take their studies. The concept “Virtual Education System” enables users to learn from anywhere through Internet and provides a learning experience. This project is intended to give both teacher and student the ability to do their jobs effectively and efficiently without even leaving their places. By this solution we aimed to meet the expectations of both students and faculties.

Modules:

- 1] Admin
- 2] Student
- 3] Resources
- 4] Reporting
- 5] Network & Infrastructure

Objectives

The main objective of VES is to provide an online learning experience to the registered student of the portal. The registered students and faculties can also interact with each other thus providing a healthy and friendly environment to learn while not physically in the lecture hall. Some of the advantages of the VES are Removal of geographical barriers. (Anywhere learning) Quicker to organize. One to one communication.

Existing System:

Traditional method student can take education in particular time and in particular place only. Traditional methods of teaching within class rooms, lectures and face to face interaction, increases costs within the educational system, limits academic institutions from offering additional further education courses, creates unavailability of staff for teaching additional courses and limits distant learning.

Proposed System:

The limitations with traditional methods is that of students embarrassment of asking questions on the course material due to lack of knowledge and understanding, a key problem in both class room and lecture teaching, and many students also don't participate and fall asleep within lectures. This is a common problem across many further education academic institutions. Using a virtual learning environment the experience becomes personal for the uses, and constant interaction and engagement with the user is required. Students who are embarrassed to ask questions are able to follow virtual course material at a suitable pace, and interactive applications can be developed to provide a further detailed understanding of the material. Teaching staff are able to address larger cohorts of students to deliver course material delivered more than once.

Reference:

Software and Hardware Requirements

Technical Details:

Front End	: Angular, Bootstrap, HTML,CSS
Middle language	: Java
Database	: MySQL

Software requirement:

- Spring Tool Suit (STS)
- SpringBoot

Hardware requirement:

Minimum 1 GB RAM
20 GB Hard Disk Space
Monitor
Mouse
Keyboard Smart
Mobile

Conclusion

The module developed by us is very handy, user friendly and efficient. It is a very stable, less costly and has a lot of features like Fast to access Easy for modify and add into database Highly sophisticated and user friendly The application made by us is perfectly suited to implement all these features. This system include security, this is secure from unauthorized person to use. Easy navigation is provided by us in whole project

Signature

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