

A REVIEW ON VIRTUAL LEARNING PLATFORM FOR STUDENTS

Suma K^{1,*}, Bharath Shiruru¹, Kirana¹, Deependra Hebbar K¹, Roshanya S¹

¹Department of Computer Science & Engineering, Mangalore Institute of Technology & Engineering (MITE) Moodabidri,

*Corresponding author email: India.suma@mite.ac.in.

ABSTRACT

At present students go through a lot of hustle to find the right study material at right time, this can consume a lot of time & human efforts finding it in traditional manner, as things progressed the mode of learning has evolved as well. From old shelf libraries to E book learning's but one major problem students still face is the bridge between Students and The Professors due the parting of notes and its updation in E learning platform, only way to fulfil this drought is E-learning platform.

Keywords: E learning, web application.

1. INTRODUCTION

In this new era of learning technology is utilized to the best where it creates an opening for Smart Learning and can cope up the remedial learning for slow learners. To add on the additional benefit of utilizing technology at the fullest is even at remote time and place one can access these educational tools without hustle and Faculty's too would not have to repeat the process as it's just one pre-recorded sessions, Notes and it can be accessed multiple times thus new age of Smart Learning is utilized to fullest.

E-learning enhances the learning experience through the use of interactive technology and communication systems. It has the potential to completely alter the way we teach and learn. You can raise the bar and increase your involvement in lifelong learning. It cannot replace teachers, but in addition to other previous methods, it can improvise the quality and scope of education and control administrative burden. It can help all learners reach their potential and build an educated workforce that is empowered to change. It enables a truly ambitious educational system for future learning societies Over the period Internet has played a vital role in closing the gap between the lecture's & students which was created due to a hierarchical process of passing on the hard copy of content data, which first required Hardcopy preparation of content and distribution of the same is a lengthy, Non-Conventional & effort consuming process, In which internet plays it's Ace card where it replaces the traditional method which was being practiced.

In the 'Information Age' in which the want for 'expertise employees' will increase because the want for guide employees decreases, 'lifelong learning' is visible as key to the ongoing achievement of contemporary-day society. 'eLearning' is taken into consideration via way of means of many because the most effective feasible option to the trouble of handing over the assets required to facilitate lifelong learning. Despite the fact that e-learning has been discussed extensively, few firm conclusions can be taken from it. We continue to struggle with defining exactly how, when, or where e-learning should be employed. Books are written, online communities are created, and conferences are organized. A growing number of institutions are making efforts to develop their own brand of online learning as the debates continue, each with their own successes and failures. The motive behind this is simple it aims to provide a general overview of the usage of e-learning, including its use, potential, and drawbacks. It will look at e-learning from the perspectives of students and teachers, and it will also take a quick glance at how e-learning is doing around the world right now.

2. LITERATURE REVIEW

The distribution model increases the chances for students to engage in lifelong learning. Finally, they come to the conclusion that active and passive study environment are very effective in order to support the "Any-time" learning model.[1] In order to better meet the needs of the student, the teacher or tutor will be able to customise their online learning materials by using the results of the

online questionnaire survey that was done at the respective institute's Faculty. The authors stress the significance and special function of interaction and multimedia resources in developing virtual platforms for online study resources.[2]

The purpose of this study is to look into students' levels of self-regulation and co-regulation as well as their level of ability to participate in online learning. Learning techniques are created by lecturers with the help of students' characteristics. The goal of the study is to thoroughly examine students' e-learning competencies and gauge how well-prepared they are for online learning. The course's design would be influenced by the review's findings. [3]

The plan sought to determine whether instructors' teaching methods would affect students' academic progress. The study was carried out via a comparative analysis of many classes taught by various lecturers, each of whom has their distinct teaching methods. According to the results, the class with the more responsive and engaged instructors performed higher on the test.[4]

Increase your participation in lifelong learning They explained in this paper how students, teachers, and a few other factors all play a role in the success of the online learning system. Google Classroom enables lecturers to manage their classes by assigning work to students and creating online assessments. This article's findings demonstrated Google Classroom's effectiveness as an online virtual learning tool.[5]

The planned experiment attempted to determine whether lecturers' teaching methods affected students' academic performance. The study was carried out using a comparative analysis of two classes taught by two distinct instructors, each of whom has their own teaching methods. The findings indicated that classes with professors who were more engaged and responsive performed better.[6]

The goal of the proposal was to draw attention to the nature and significance of the relationships among interaction, communication, and motivation in the learning process for students. It identifies elements that are relevant to students and how they impact online learning activities. It emphasises the influence and function of the teaching staff on online learning resources, activities, and the learning environment medium. Additionally, it describes how to approach comprehending the function and effects of various technological tools and how to incorporate them into

efficient virtual learning activities that enhance the learning experiences of students.[7]

3. METHODOLOGY

Virtual Learning Platform for Students is a responsive, functional, and superfast web application. User can easily access the required study material through website. It consists of two sections i.e., lecture login and student login/signup. Lecturers are allowed to upload any data related to subject and students are only allowed to access data. After login, list of the branches then semester wise subjects are displayed respectively. In each section of subject students are allowed to access prescribed textbook as well as notes or ppt provided by different lecturers. Student can choose any material regarding to the subject. In sub-category of branch there is a section called lecture details which includes complete details of lectures of their respective branches and the details of the projects undertaken by them.

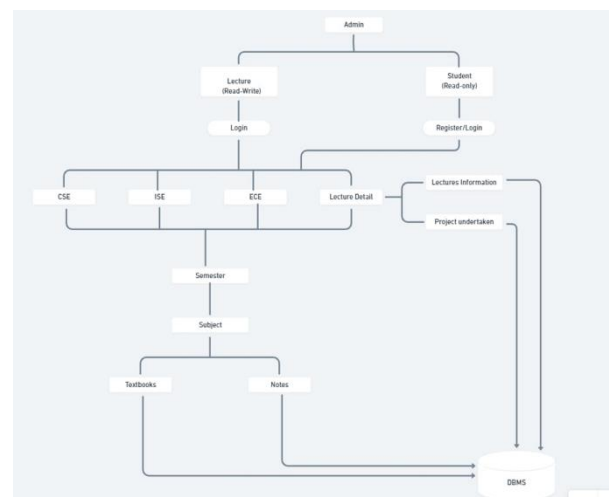


Figure 1: Architecture diagram

The proposed Virtual learning Platform for Students (VLPS) Consists of three modules:

- a) Admin Module
- b) Lecture Module
- c) Student Module

Admin Module :

Admin Module has full control over the remaining two modules, i.e. student module and lecture's module. The registration of the lecturer will be managed by the Administration. Admin will add all subjects from their respective semesters. They act as a host servers which

provides platform which in turn acts as a Bridge between the two ends i.e. Students & Lecture.

Lecture Module:

In this module lecture can only be able to login. Signup option to be managed by admin. Lecturers will be able to upload the content related to their Subjects. They are able to upload content in multiple formats. For example: images, docs, texts, videos. With this the distribution of notes and other study materials are distributed evenly without any hustle thus the process of notes or other content is eased by a huge margin.

Student Module:

In this module, students can enroll and connect. Students will be able to visualize the topics according to themselves. Students may view and download the content provided by the lecturers. And also they will have a unique platform in which they will have access to multiple subject content notes or so in a single embedded platform easing the process of finding and maintaining the track records or notes which here can be accessed hustle-free.

4. CONCLUSION

Our proposed system enables students to access study materials through internet. It enables to access the lecture details and project undertaken by them. It is fast to access, highly efficient and flexible, easy to maintain all information. VLPS is one of the most significant explosions brought on by the internet revolution. In order to effectively deal with the necessity to quickly acquire current expertise in productive situations, users are able to obtain information and education using both active and passive methodology. The system offers pupils an online user interface. Speed up the web application and cut down on the time needed to access the study materials. Learn more about the advantages of the web platform for elearning due to its open-source design and accessibility. It aids students in developing the appropriate project guide for the appropriate field of study.

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