Open Web Based e-Learning

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Abstract:

Web based e-learning is a computer based educational system that enables a person to learn anywhere at any time with the help of internet. People of the 21st century are digital native they perform most of their works by using information and communication technologies. ICT has advanced so much that the geographical gap is bridged and learners feels that he is in a classroom. This paper discusses websites providing on line video lectures on different subject area

Key words: e-learning, e-resources, internet, video lecture.

INTRODUCTION

E-learning offers the ability to share material in all kinds of formats such as videos, slideshows, word documents and PDFs. Conducting webinars (live online classes) and communicating with professors via chat and message forums is also an option available to users.

The term "e-learning" has only been in existence since 1999, when the word was first utilized at a CBT systems seminar. Other words also began to spring up in search of an accurate description such as "online learning" and "virtual learning". However, the principles behind e-learning have been

well documented throughout history, and there is even evidence which suggests that early forms of e-learning existed as far back as the 19th century.

Online learning today with the introduction of the computer and internet in the late 20th century, e-learning tools and delivery methods expanded. The first MAC in the 1980′s enabled individuals to have computers in their homes, making it easier for them to learn about particular subjects and develop certain skill sets. Then, in the following decade, virtual learning environments began to truly thrive, with people gaining access to a wealth of online information and e-learning opportunities. By the early 90s several schools had been set up that delivered courses online only, making the most of the internet and bringing education to people who wouldn't previously have been able to attend a college due to geographical or time constraints. Technological 11 advancements also helped educational establishments reduce the costs of distance learning, a saving that would also be passed on to the students - helping bring education to a wider audience.

1 National Programme on Technology Enhanced Learning: http://nptel.ac.in

National Programme on Technology Enhanced Learning which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science and funded by Ministry of human Resources Development. It provides e

learning through online web and video courses in engineering, sciences, Technology, Management and Humanities. Text transcriptions of all video lecture available on NPTEL official website in audio file (mp3 format), transcript (pdf. format), subtitles to all video lectures. Users can access the resources from official website of NPTEL

- Download videos in mp4, FLV and 3gp formats
- Video streams on YouTube http://www.youtube.com/iit.
- Special service for Institutions by providing hard disk to NPTEL office, IIT madras and get copies of these lectures free of cost.
- These lectures also broadcast on Door Darshan Television Eklavya channel by Gyan Darshan.

2 University of California open Courseware: http://ocw.uci.edu

The University of California, Irvine is a sustaining member of the Open education Consortium launched its Open Courseware initiative in November 2006.Today its YouTube channel is viewed more than a million minutes per month. Its video lectures covers various disciplines such as Arts, Biological sciences, Business and management, Education, Engineering, Health Sciences, Humanities, Information and computer sciences, Law, Library, medicine, Physical sciences, social Ecology, social sciences Etc. All the Video lectures are under

creative commons Attribution –Share Alike 4.0 united state License

3 World Lecture Project: http://www.world-lecture-project.org

The world lecture project is a video library of academic video lecture. The project started in year 2005 and is continuously growing its collection up to 16,000 video lectures delivered by eminent faculty of world of concerned discipline. User can search the video by various criteria like theme, country, faculty, language, institution and others. The user can allowed editing the metadata and indicating material with inappropriate content and rating the videos. All the service is free of cost and provides scientist and universities an international platform for their videos.

4 Massachusetts Institute of Technology: http://video.mit.edu/type/educational

It is an initiative of Massachusetts institute of Technology in which all the educational materials of undergraduate and
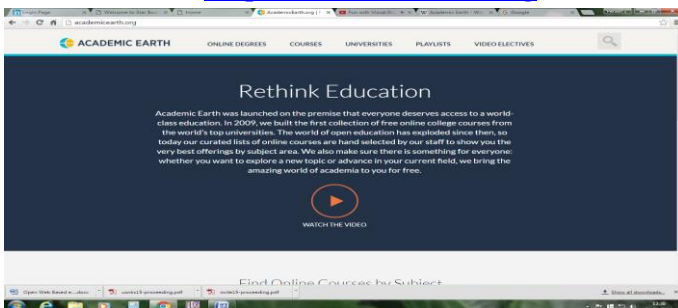
graduate level courses available online at one place free of cost. The project starts in the year 2001 to support the Open Education Consortium. It has categorised all video lecture in to 35 subject which easy for the user to choose the subject of interest. The website comprises 15685 videos of different categories ranging from educational to news history etc.

5. eGyankosh : http://www.egyankosh.ac.in

eGyankosh is a national Digital Repository of Indra Gandhi National Open University to store, index, preserve, distribute and share the digital learning resources. It starts in October 2005 with the intention of digitising the self instructional material. it offers and open access to learners, the registration process is free and simple by just entering the email id and the video lecture are categorised school/ course wise. The eGyankosh was stopped in the year 2013 due to some circumstances but now in the year 2015 on the request of HRD Ministry it reactive.

6. Academic Earth: http://academicearth.org

Academic earth website start functioning from March 24, 2009 founded by Richard Ludlow and co-founders Chris Bruner and Liam Pisano. This website provides the free online video lecture from the best universities of the world on a single platform. It covers almost 18 different subject of knowledge ranging from Astronomy to statistics. The use of this website required no registration and free of cost.

7. Open Yale courses: http://oyc.yale.edu

Open Yale courses is the project of Yale University of its undergraduate courses lectures in full video. It was launched in the December 2007 and it covers 42 courses taught at Yale University. It provides free access to a selection of introductory courses.

CONCLUSION

With the advent of video communication the scenario of communication media totally changed. The development of online lecture is possible. The teacher and the student no longer have to stay in the same vicinity to teach and learn. Now user can learn while sitting anywhere in the world at any time as long as he wishes, with the help of internet. Sharing of the content is possible and more and more people can have access to it. The users can learn more about the topics of their interest.

REFERENCES

1.   https://en.wikipedia.org/wiki/VideoLectures.net
2.   http://oyc.yale.edu
3.   http://academicearth.org4
4.   http://www.egyankosh.ac.in
5.   http://video.mit.edu/type/educational
6.   http://www.world-lecture-project.org
7.   http://ocw.uci.edu
8.   http://nptel.ac.in