

## E learning Platforms:-Role and Usefulness in Modern Education System of India

Mr. Pranav Purushottam Lakhe  
Assistant Professor  
Kamla Nehru Mahavidyalaya  
Nagpur

Mr. Anant Bhushan Sidana  
Assistant Professor  
Kamla Nehru Mahavidyalaya  
Nagpur

### Abstract:

The information communication technology plays vital role in education sector. It is increasing at a phenomenal rate and has revolutionized traditional form of teaching-learning process. In the context of teaching learning process new technology is continuously improving. Many organizations use technological tools for teaching learning process. One of the technological innovations is the e-learning. By using the application of computer, internet and networking to achieve process of learning. Learners and teachers are using above mentioned applications for teaching learning process. Availability of e-learning tools like blogs, specialized software, wikis etc. have become popular today. By using this tools student can learn desired concept. This tools helps student and teacher to improve teaching learning process by using e-learning concept. The e-learning is the process of gaining knowledge without any hesitation. It helps the student to achieve the decided goal of learning. This article focuses on the features of e-learning and its benefit in the field of education. Attention is also drawn to some tools which has practical approach. This paper also studies how they are helpful for the higher educational institute.

**Keywords:** E-learning, online education, online teaching, online learning community

### Introduction

A learning system with the help of electronic resources is known as E-Learning. The use of computers and the Internet forms the major component of E-learning. E-learning can also be termed as a network enabled transfer of skills, knowledge, and the delivery of education is made to a large number of recipients at the same or different times.

Today educational fields is very fast upgrading in terms of modern teaching learning process. In e-learning process e-learning tools play the important role. It will provide the independent platform for the learners. It also contributes to meet the challenges in learning process. Education can become transformative when tutor and learners synthesize information across subjects and experiences, critically weigh significantly different perspectives, and incorporate various inquiries.

Here are some virtual learning environments tools that help students learn on their own. E-learning platform proved the learning tool like game. They created some games for learning. Games are made purposefully to get something learning from them. Several tools are made for the learning like content management, multimedia and forum etc. Virtual learning environment allows you to enable to store valuable resources at one place. Most colleges apply

content management system in their organization, for which they create separate system. The virtual learning environment provides the resource at one place at one click. It is speedy access to all core material to everyone. It will help to those students who cannot travel to college or university.

Virtual learning environment allows you to store the multimedia in one place for the course development. It is accessible to all the learners but if you wish to restrict the access then it is done by some software. You can upload image, ppt, and videos for your lectures. Video is the medium to keep student engaged. Virtual learning environment allows you to do the group discussion in terms of forum. It is again helpful for the making discussion on one topic at a time.

## Literature Review

Online learning uses a lot of technologies. Lots of them were created especially for it and others just complemented the studying process. There are many technologies that accomplish each other in different ways. For example, you can add a whiteboard on your video conferencing tool, or you can do screen-sharing while still using a microphone and making some comments.

### 1. MOODLE

Moodle is the online learning platform where teacher can upload the study material for the learners and learners can access it at any time. Moodle provides the Modular Object-oriented Dynamic Learning Environment. Moodle uses the concept of customization for learning. Student can review the class calendar, take quizzes, submit assignment and interact with others.

### 2. Blackboard

Blackboard is learning management system. It is online software that allows the students to customize the learning. It is server based software which is used for the course management, scalable design which works with student information system. The main features are to add online contents and it is accessible easily.

### 3. COURSE MANAGEMENT SYSTEM (CMS)

A **course management system (CMS)** is a collection of software tools which is used for the online learning. In these tools faculty can post the class material like syllabus and handouts. There is a separate section for the student to post papers and other assignments.

### 4. DRUPAL

Drupal provides the functionality of the add and remove the module. We can create the course module. Drupal is the tool for creating the website and manage the course.

### 5. JOOMLA

Joomla is famous for the web sites, it will give the shape to your website. It will work on the website and they created the various websites. Like corporate website, small business website, E-commerce and online reservation, organizational website.

## 6. OLAT

OLAT is known as Online learning and training. It is a web application which can support any kind of online learning. Teaching and tutoring is done by the learning management system of OLAT. It will support various functionality such as IMS content packaging, SCORM and IMS QIT.

## 7. JOJO CMS

JOJO is a content management system which allows user to keep their content online. It is possible to access that content for e-learning. It uses PHP concept to manage the contents.

## 8. SmartBuilder

Smartbuilder is an e-learning tool that allows user to do the programming for instructional design. It helps users to create games, case exercises and contents faster. The concept of wizard-based templates helps user to create contents easily.

## 9. ClickClass

It is an e-learning tool created to help users deliver and manage online learning content. It is a very fast e-learning tool. User can include video content, quizzes and audio content easily for engaged students. For better understanding of the material, we can upload the animated video.

## 10. ezTalks Meetings

It is an e-learning tool which has features like high-quality video conferencing and it uses a high-definition camera. This tool can engage 100 participants at a time virtually. Face-to-face interaction can be done still they are in different locations. This tool uses a whiteboard for drawing ideas using a pencil.

## 11. Articulate Studio

With this tool, you can convert your PPT presentation into online course contents. For better understanding, the teacher can create a module. It helps students to get all kinds of information about their concept.

## 12. Web 2.0

Web 2.0 is the improved version of the worldwide web. It will help to change the static to dynamic and it contributes to the growth of social media.

## Objective

- To study the different tools and techniques of different e-learning tools
- To evaluate effectiveness and features of different e-learning tools

## Discussion

As per the literature review, there are different features of tools according to their uses. Moodle will provide an online e-learning platform where students and teachers can interact with each other at one place. Teachers can upload study material and assignments for the student and students can use that material for the study purpose. Blackboard also provides the online learning platform where we customize the course material and it will be available for the learners at any time. Face-to-face course delivery can be possible.

A course management system is the collection of software tools by using that faculty can post the instructional material, papers, assignments, syllabus and handouts. It will be helpful to the student to view their grade themselves. It will provide announcement facility to the learners. It is an integrated system with a huge amount of database of outer university so once a student enrolls to the course he is automatically registered with the CMS.

Drupal is a CMS based module, it will provide the platform where we can add and remove the module. It will allow changing the themes. Drupal Core, comprises of the PHP scripts required to run the basic CMS functionality. There are many modules available to use on their website.

JOOMLA provides the online platform where we can create the website, portals in an easy way. JOOMLA keeps online magazines, newspaper and publication where learners can easily access it. It provides the functionality to design the websites.

OLAT is an online training and learning platform. It has various features to provide a learning management system. It is free to all access it for the teaching learning process.

Smartbuilder is the platform where we can create the programs and e-learning content management. It allows user to create branching scenarios, case exercises, games and other serious e-learning faster. Non-programmer can use the smartbuilder because it will provide ready-made functionality.

Clickclass is an e-learning tool. It will help to user to manage and deliver online contents. In click class we can upload video, images, video lectures, audio clips for the student.

It is an e-learning tool created to help users deliver and manage online learning content. It is one of the fastest **e-learning tools** out there. You can include interactive quizzes, video content, discussion board, audio commentary to engage with the learners. Having animated video can help learners better understand the material. All you need to do is just a couple of clicks.

ezTalks Meeting is the one of the greatest online education tool. Where we can arrange the meeting of 100 participants at a time virtually. It will allow user to meet virtually at one place for face-to-face discussion. It will provide the white board using which learner can draw ideas on the white board like classroom.

Articulate Studio has features like we can convert our PowerPoint presentation as an online course. In this teacher can create the module to understand the concept.

As per the discussion all the tools will provide the various features for e-learning. It is good for the learners to them can use this at one click. Teacher can also use these tools for the improvement in teaching. It is beneficial to the student they can access it only by using the ICT. Some tools provide the content management system for upload their content online, which is available 24\*7 for the learners.

## Conclusion

From the above study it can be concluded that education sector is in transforming stage and full credit goes to Information Technology. The study clearly indicates there are vast numbers of technological tools available which can make learning a fun based process for students. Whenever learning is done with audio, video, ppt, handouts, digital storytelling, animations and other forms it is more impactful than traditional teaching methods. E-learning had completely changed the way of learning, with above mentioned e-technology tools students' performance can be changed drastically. The only things needed are awareness about these technological tools and large scale implementation.

## References

- Elton, Lewis, (1999). "New ways of learning in higher education: Managing the Change", *Tertiary Education and Management* 5, 207-225.
- Marton, F. and Booth, S. A. (1997). *Learning and Awareness*. Hillsdale, NJ: Lawrence Erlbaum
- Satish, U., & Streufert, S. (2002). Value of a cognitive simulation in medicine: towards optimizing decisionmaking performance of healthcare personnel. *Quality and Safety in Health Care* 11:163–168.
- Angeli, C. (2005) 'Transforming a teacher education method course through technology: Effects on preservice teachers' technology competency', *Computers & Education*, vol. 45, no. 4, pp. 383–398.
- Fry, K. (2001). E-learning markets and providers: some issues and prospects. *Education Training*, 233-239.
- Love, N. & Fry, N. (2006). "Accounting Students' Perceptions of a Virtual Learning Environment:
- Keller, C. & Cernerud, L. (2002). Students' perception of e-learning in university education. *Learning, Media and Technology*, 27(1), 55-67.