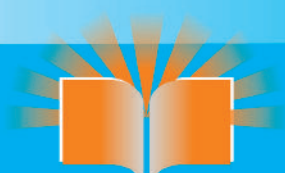


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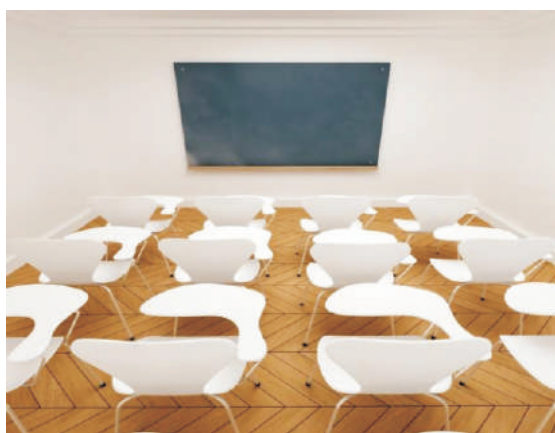
## E-Learning

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### Abstract:

*This paper illustrates E-Learning concept & methods which are used now a day. Education, professional / business sector is utilizing this concept at their places. As Animation Industry is growing it helps E-Learning to clear school/ college concepts of the aspirants. In home Computer is a must, to take an advantage of the system parents starting to use E-learning technology for their child's development.*



TRADITIONAL CLASS

### LEARNING PROCESS:

Learning process is a main part of education system, personal development. The learning process may be goal oriented or motivated. The process starts from home as the child grow. The process leads the child to change or develop new thoughts to develop life. The process further leads the child to schooling, college life & then professional / business work. The listening skills are important for academic, professional & general life. In which the human listens to lectures, tutorials, seminars, presentation (technical/non-technical), viva-voce, professional interaction, meetings, conferences, interviews, casual

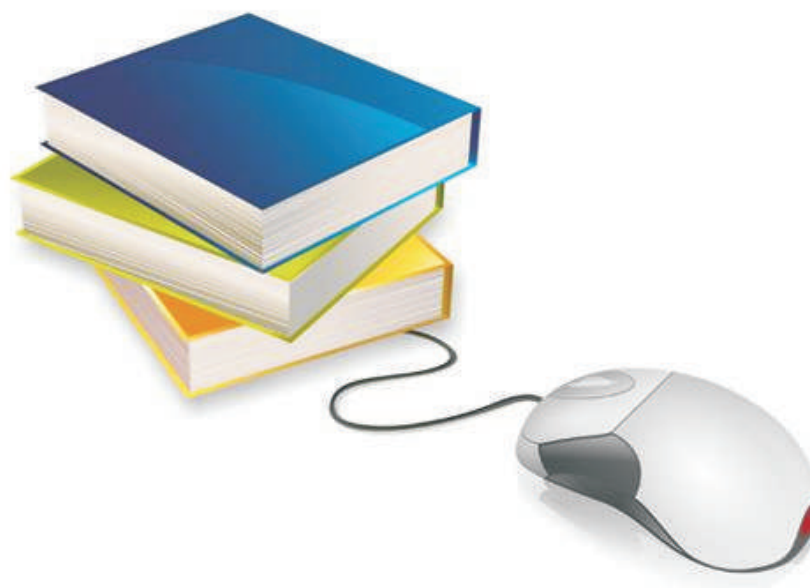
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conversation, formal conversation, public speeches, announcements, radio respectively. The traditional class will look like as shown in the image. In India, One class should have minimum intake capacity which is suggested by the board/ university. The expert tries to explain the concept to the learner enthusiastically but being a human the expert fails to deliver the lecture with same enthusiasm as he/she delivered for the first time. More importantly the learner should understand the concept within given stipulated lecture time. If the learner failed to understand the concept then he/she has to clear the concept through library or from the expert personally. But this process has certain limitation; to overcome this situation E-Learning process can be implemented.

#### **E-LEARNING INTRODUCTION:-**

E-Learning is the learning process by using Computer, Television set. This technique with the help of Computer was launched in 1960. At that time the Computer Based Training was introduced for mathematics problem solving & explaining the facts to the young students. The E-learning process can be treated as CBT (Computer Based Training), WBT (Web Based Training). The process can accomplish multimedia for re-presentation. The developer can use photos,



animation; narration to the learning process also hands on experience can be provided to the candidates so that the

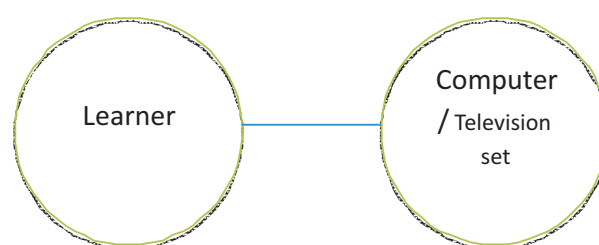
#### **E-LEARNING CONCEPT 1 (SERVER BASED)**

learning will be interactive.

Unlike the traditional class the expert lecture can be repeated multiple times till the learner understands the concept. This lecture can have narrations, animations, presentations, reviews & some interactive sessions. The learner can join the class as per his/her schedule, because of multimedia & animation play control it is possible for the learner to pause/ stop the lecture. E-Learning leads to Virtual Library concept in Schools, Colleges so that all the information is available at a single click to the aspirants. For searching information search engines are available even most of the publishers are publishing E-Copy of the books on their sites.

**E-LEARNING CONCEPT: -**

The fig. E-Learning Concept (Stand Alone) illustrates the concept of E-Learning with stand-alone computer system. In this system the learner can view the content/ lecture by inserting CD/DVD in the computer system. The software uses some additional required files from computer system's operating system. This system has limitation of single user activity but can be useful in house studying. Now a day with the help of Television sets E-Learning is also possible. One digital e-box is provided which can be plugged to the Television set. With the help of Pen drive which has entire

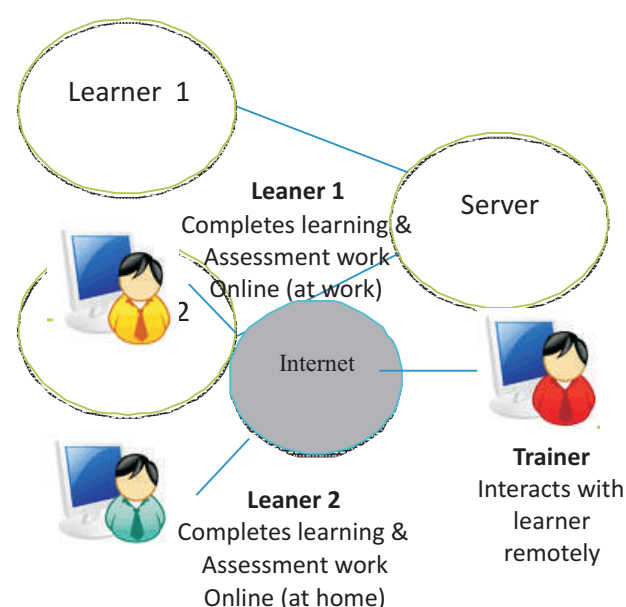


E-LEARNING CONCEPT  
(STAND ALONE)

animation / content loaded into it can be attached to the e-box & later the e-box is attached to Television set. This e-box has separate remote control which controls the animation sequence.

**E-LEARNING CONCEPT: - 1**

The E-Learning concept is as shown in the fig. E-Learning Concept 1. In this system there is a server where all the data regarding lectures is stored. This data contains articles, animation, narration, interactive sessions & more importantly hands on experience for the learner. As per the Operating system capabilities the user can attach multiple learner nodes. To have a proper learning process each learner node is well equipped with headphone & Mic. Devices. This example illustrates a common CBT (Computer Based Training) where the server computer plays a vital role. Computer Networking helps the user to keep adding multiple nodes so that the learning process can be carried for multiples at a time.



DISTRIBUTED CLASS ROOM SESSION

**E-LEARNING CONCEPT: -2- DISTRIBUTED CLASS ROOM SESSION**

This E-Learning concept includes a trainer physically. The trainer is available physically at remote place & by means of Internet he/she get connected with the learner. To host the presentation / training hosting sites are available. The trainer schedules the session & intimates the learner to join the session at remote places. The learner, as per his/her convenience joins the session. This system is called as Distributed Class room session.

**ACKNOWLEDGEMENT**

I am thankful to all the members who helped me to develop E-Learning content in VIDYA COMPUTERS.

**REFERENCES**

For Images (distributed class room session- Internet-Google- blog spot  
VIDYA Computers- E-Learning contents



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