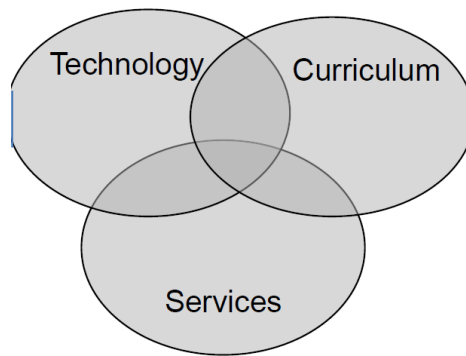


Virtual learning and Orientation

“E-Learning is the learning process created by interaction with digitally delivered content, services and support”.

- ✚ E-learning is the use of technology and services to deliver a curricula and, ultimately, to facilitate learning.



Virtual Learning: Definition

- ✚ Distance Learning via Internet (as we do just now!)
- ✚ A form of distance education, in which a teacher and a learner are separated
- ✚ Teacher-led education via Internet or local nets

Why Do We Need Virtual Learning?

- Expand the range of courses
- Expand the range of students
 - ✚ Geographically expand
 - ✚ With disabilities
 - ✚ With limited time opportunities
 - ✚ With specific personal characteristics
- Equal access for high quality teachers and courses

Types Of Virtual Learning

- Synchronous/Asynchronous
- Fully on-line/Blended
- Trainer-led/Self-learning/MOOCs

| | Features | Examples |
|------------------------------|--|--|
| Synchronous Learning | <ul style="list-style-type: none"> • Real-time • Live • Usually scheduled, time-specific (but can be impromptu) • Collective and collaborative • Simultaneous virtual presence with other learners and facilitators or instructors • Concurrent learning with others | <ul style="list-style-type: none"> • Instant Messaging • Online Chat • Live Webcasting • Audio conferencing • Videoconferencing • Web Conferencing |
| Asynchronous Learning | <ul style="list-style-type: none"> • Intermittent access or interaction • Self-paced • Individual or intermittently collaborative • Independent learning • Usually available any time • Recorded or pre-produced | <ul style="list-style-type: none"> • E-mail • Threaded Discussion boards • Web-based training • Podcasting • DVD • Computer-based training |

Main Features Of “Inclass” Webinar :

- ✚ Students in a class and at webinar study together and simultaneously
- ✚ Both categories collaborate under trainer supervising
- ✚ Training materials and lab environment are the same

MOOCS:

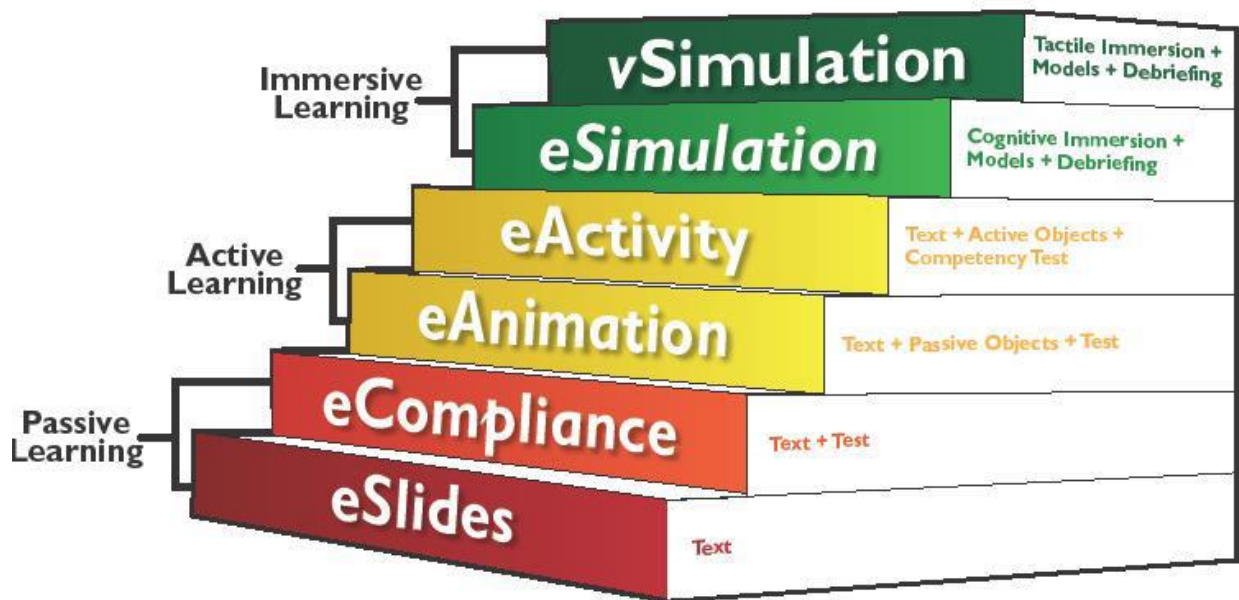
Mass students learning

- Asynchronous
- Multi-
 - ✚ National
 - ✚ Experienced

Special features:

- ✚ Multilingual media
- ✚ P2P control
- ✚ Forum-based communication with a teacher and other students
- ✚ Strong motivation
- ✚ Teacher feedback tools

E-Learning Ladder



Benefits of E-Learning

Accessibility

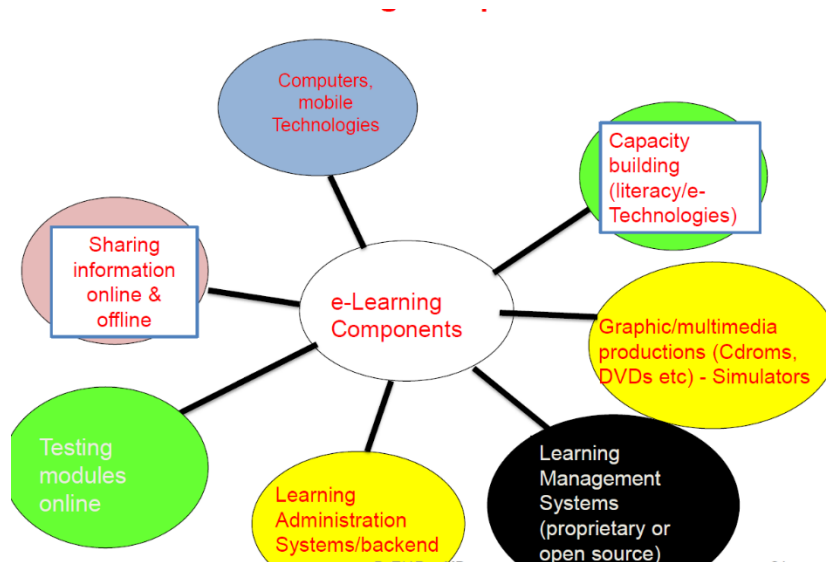
- Page layouts, Text to Speech, Location, language.

Multimedia

- Webinars, Videos, games, pictures, E-Portfolios, Blogs, forums, quizzes

Many Methods of E-learning

- 🚦 **Learning Styles**
- 🚦 **Kinaesthetic (learn by doing), Visual, Auditory**
- 🚦 **Collaboration (student and lecturer)**
- 🚦 **Forums, blogs, peer review, Grademark, electronic chat, projects, wikis**
- 🚦 **Flexibility**
- 🚦 **Student paced and focused, E-submission and assessment, reduced contact hours, 'location free'**



Technology is supported by Online Education:

- ✚ Technology is an increasingly influential factor in education. Computers and mobile phones are used in developed countries both to complement established education practices and develop new ways of learning such as online education.
- ✚ E-education (also known as e-learning and online education) is the process of learning where computers are used at each possible step of the process: enrolment, instruction design, content delivery, evaluation, assessment and support. This mean that students and teachers do not have to sit in the classroom but instead they learn from anywhere in the world and in any time.
- ✚ Technology offers powerful learning tools that demand new skills and understandings of students, including Multimedia, and provides new ways to engage students, such as Virtual learning environments

Virtual Learning advantages:

- For a student
 - ✚ Personal tempo
 - ✚ Worth for introverts and shy people
 - ✚ Individual communication with a teacher
 - ✚ Appropriate training schedule
 - ✚ No travels
 - ✚ Comfortable environment
 - ✚ Teacher's control
 - ✚ Visual contact and collaboration with all group members
- For an educational organization
 - ✚ Reuse of training materials
 - ✚ Full classes
 - ✚ Individual contact with students
 - ✚ Low expenses
 - ✚ High level of student's involvement and control