ELEARNINGNEWS ARTICLE

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Video technologies for e-learning training

What are the technologies for video transmission in e-Learning training today?

The Digital Agenda website has been published an interesting article that takes stock of the most widely used technologies for the provision of e-Learning training.

After a brief introduction of what is meant by e-Learning training, its basic functionalities are summarized as:

? be accessible on Internet allowing attendance to distance courses;
? provide learning paths based on multimedia textual, audio and video material;
? carry out a continuous monitoring of the activities performed by the students;
? present learning level assessment tests;
? allow interactions between students and faculty via chat or videoconference.

The main e-Learning platforms in the world are then presented, all with the main objective of delivering MOOC -Massive Open Online Courses- courses and, focal point of the article, **some common features** of all these e-Learning platforms are identified:

? video lessons broadcasted in streaming;
? intermediate and final evaluation tests;
? possibility of interaction between students and teachers;

All types of analysed platforms focus their learning process mainly on **on-demand video streaming systems** (i.e. based on pre-recorded content), using also YouTube (or other less famous but equally valuable video portals) for the storage and the distribution of videos, because their "power" of calculation and bandwidth guarantees a correct, coherent and comprehensible distribution of contents.

In addition to video streaming directly within the web pages, modern internet browsers allow also the possibility of establishing real time audio/video connections between one or more users (the so-called **videoconference**), allowing the development of distance lectures in real time and the verification of the results obtained through a distance examination session.

It is estimated that, in the coming years, a further technological improvement of communication networks and browsers will encourage the increase of video resources in eLearning training.

Read the complete article...