

Vananchal Dental College & Hospital

E- Content Development Training Programme Report

Name of the Programme : Use of ICT tools in Teaching

Date: 11-07-2015

Resource Person: Dr. K. Vinod

Venue: VDCH Admin block

Number of Participants: 15

Content of the Training Programme

Preparation of Audio Aids:

In the recent past these hearing aids like cassettes and recorders were in used in the process of learning of English language. Such teaching aids were effective in improving the phonetics, pronunciation and spoken English of the students.

Preparation Visual Aids:

Apart from the traditional visual aids like charts, pictures and models that are still in use in the classrooms, there are other modern visual aids which were in use in the recent years. These aids include the picture slides, motion pictures and the like. The modern times, the development in technology e-book readers which are portable electronic devices are mainly used for reading digital books.

Audio-Visual Aids:

These are being widely adopted and used in many of the educational institutions, which have a separate audio-visual room or lab. By the growth of technology children are showing much interest in computer-based learning like the Power point presentations. It develops team work among the students as they are required to work in teams for such project based learning. In such a Project based learning teacher acts as a facilitator to the taught and this involves the active participation of the student.

Interactive Electronic White Board:

This is a very recent development wherein the whole board acts like a touch screen with students being able to do various manipulations directly on the board itself. Basically the white electronic board is connected to a digital projector which projects the material on the computer onto the board. Then without the need of touching the computer, the students can do mathematical calculations, scrabble solving etc by the use of a stylus

provided.

M-Learning:

M-Learning is the technique where learning occurs in multiple contexts, through social and content interactions. M-Learning Technologies are available by using personal electronic devices such as handheld computers, MP3 players, notebooks, mobile phones and tablets. M-learning is more convenient and access at anytime and anywhere.

E-Learning:

Instructional Content or Learning Experiences delivered or enabled by Electronic Technologies (Ong & Wang, 2004). E-Learning Teaching Strategies are E-lecturing, E-discussion, E-monitoring, E-tutorial, E-access to network resources, E-structured group activity, E-informal peer interaction, E-connected education, E-quality learning and simulation.

Benefits: Use of ICT Tools in Teaching

- ❖ Participation in a media revolution, profoundly affecting the way they think about and use information technologies
- ❖ Improve the ways of learning in view of learning fashions
- ❖ Extend the ability and skills applying their learning environment real situation
- ❖ Working in groups for cooperative and collaborative learning
- ❖ Developing self-learning habits at their own pace and time
- ❖ Learn with the teacher rather than by the teacher
- ❖ Develop inquiry – learning habits
- ❖ Use right information at right time/place to achieve right objective
- ❖ Review and explore qualitative data
- ❖ Exchange learning experiences and information with others students and teachers living anywhere in the world

Thus, information technologies facilitate students in their learning process through their active participation on one hand and help teachers on the other hand.

Preparation for the age of Modern Teaching Techniques by using ICT tools :


Certain skills and capabilities of using different Modern Teaching Technologies are necessary for students as well as teachers. Therefore it is necessary to prepare them for the age of Modern Teaching Technology and they are as follows:

- Requiring students to use electronic databases in their searches.

- Encouraging students to use electronic mail to ask questions, and for submitting assignments.
- Becoming familiar with the advantages and disadvantages of the technologies and exploring the capabilities of compact-disk read-only memory (CD-ROM), tele/video conferencing, etc.
- Surveying students about their familiarity with the Modern Teaching Technologies and asking if they will share their knowledge and skills with the class.
- Using a word processor to develop class notes and editing a version to use as students' handouts and a version for overhead transparencies.
- Using computer programs for keeping records in large class enrolment lists, test items and so on and having students review and update their own record from time to time.
- Using different packages for data analysis.
- Encouraging students to include visual elements as part of their projects.
- Spending students' time as a multimedia workstation, planning a presentation; assembling projection graphics, video clips, animation and sound and other materials; trying to much particulars materials with specific learning objectives; and integration the materials into a unified presentation.
- Eliminating and/or minimizing physical problems arising from the use of Modern Teaching Technologies.

Programme Out Come :

Using Modern Teaching Technologies, learners are now able to participate in the activities of the learning communities throughout the world. They may learn collaboratively, share information, exchange their learning experiences and work through cooperative activities in virtual learning communities. Modern Teaching Technologies facilitate teaching and learning process in more productive fashion. In a nutshell, Modern Teaching Technologies are restructuring the teaching learning process to meet the International standards.


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