



MULTIMEDIA APPROACH TO TEACHING-LEARNING PROCESS

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Abstract

The Information Technology is revolutionizing the way, in which we live and work. It is changing all aspects of our life and lifestyle. Technology has become an essential part of education at all levels. Today, Multimedia approach in higher education is most essential for impactive teaching learning process.

Education as a system has some objective planned for the process, for the realization of which a variety of strategies, techniques and aids have been designed and devised by educational technologists. Multimedia approach is one such innovation that is aimed at improving the teaching learning process.

Introduction

Educational technology is a relatively new field which aims at solving problems of teaching and learning. Hardware and Software are two structural components of this technology and multimedia is an important aspect related to them. Education as a system has some objective planned for the process, for the realization of which a variety of strategies, techniques and aids have been designed and devised by educational technologists, Multimedia approach is one such innovation that is aimed at improving the teaching learning process.

Objectives

- 1) To focus on multimedia approach, which can enhance the quality of teaching-learning process.
- 2) To study role of teacher in multimedia approach.
- 3) To study educational implications of multimedia.

Methodology

- 1) The paper has been furnished from secondary sources of data. It consists of reference book, journals and websites. The data has been collected in order to fulfill the objectives of this paper.

Concept of Multimedia

• Definitions and meaning

- 1) Multimedia is a hot topic in education because it represents the latest technology and introduces into the classroom whole new ways of thinking about curriculum, interactions with students and even the nature of learning itself. He elaborates that the meaning of multimedia has changed from meaning nothing to everything.



Multimedia can mean any kind of file or document, either a text or spreadsheet, that have audio or video effects or “an interactive information cafe”.

Whatever it is not, it certainly is the most promising technology in education.

- Weidong Xhang (2003)

- 2) Packiam (1986), had referred to the use of appropriate and carefully selected varieties of learning experiences which when presented to the learner through selected teaching strategies will reinforce and strengthen one another in such a way that the learner will achieve predetermined objectives in an effective way.

Education is defined as a means of providing systematic training and instruction and training is provided by instruction, discipline on drill In terms of having training and instruction, multimedia is a powerful tool which can provide individual and interactive instructions as well as motivation for practice in an entertainment environment. Multimedia also provides students with different learning styles, the opportunity to learn, share, communicate and grow using all their faculties.

Nature of Multimedia Approach

Multi - Many
Media - Techniques /medthods.

- Multimedia approach uses a number of media, devices, techniques, in the teaching learning process.
- Multimedia approach has come out of researches and experiments in educational technology that have been undertaken in order to improve the process of teaching learning.
- Multimedia approach aims at providing meaningful learning experiences via a mix of media in order to achieve predetermined objectives.
- The choice of the media has to be done carefully so that one does not hamper or reduce the effect of the other i.e. each media must complement the other.
- The media have to be used sequentially and judiciously. Only necessary ones are to be used. Then it would be possible to make optimum use of them in a most economical manner.
- In multimedia approach, several media and techniques are used as powerful means of communication.

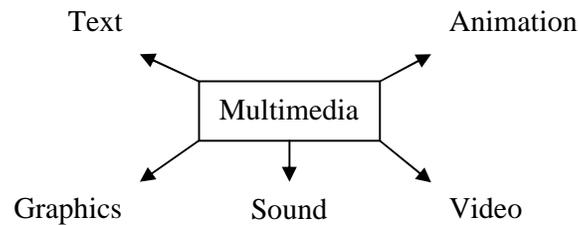
Interactive Multimedia Components

Interactive multimedia is a tool which has had a great impact in the field of education. This tool uses five elements and combines them into a single powerful tool.

The five media are –

- i) Text ii) Animation iii) Video iv) Graphics v) Sound.

Multimedia



Role of teacher in Multimedia approach

The teacher has to make a lot of modifications and adjustment if he has to adopt multimedia approach. His role would have a different connotation compared to the traditional role. He would have to make these changes.

- i) The teacher has to adopt a number of methods and techniques, he cannot be satisfied with the lecture or the chalk talk method.
- ii) The teacher has to be aware of the different available media and their availability the teacher should be physically competent to use and demonstrate the use of different media.
- iii) The teacher should be skillful enough to make a judicious choice of media and be competent enough to mix them sequentially and in an orderly manner.
- iv) The teacher's role is that of a facilitator or manager of activities. He has to lead his students for independent, individualized learning.
- v) The teacher should provide experience such that the students can link practice and theory & integrate them.

Educational Implications of Multimedia

- Multimedia enables students to represent information using several different media. Hypermedia links allow students to organize information in meaningful ways.
- Multimedia can take into account different learning styles. Some students learn by interpreting text, while others require more graphical or aural representations.
- Multimedia allows for self-pacing and discovery, students can take the time they need and choose the path of learning making learning meaningful and pleasurable.
- Multimedia helps in development of higher order thinking skills. Interactive multimedia encourages student.
- Multimedia provided the students the flexibility of anywhere, 'any time' learning.
- Multimedia helps in developing group and interpersonal skills. Better communication between students via e-mail, chat sessions etc., can encourage collaborative learning and enhance student-teacher interaction.
- Multimedia helps students to learn the content in a given discipline. It helps students to think effectively, practice problem solving and decision making.



Conclusion

Multimedia approach in schools/college is effective for students to learn both ‘from’ & ‘with’ it. The focus is now on media and technology because of their advantages in terms of repeatability, transportability and equity of access.

Multimedia helps students to construct knowledge actively, work in group and use multi-senses at a time. Multimedia is very effective and advanced approach in higher education.

Reference

1. Ansari M.S. (2012) Popular Master Guide U.G.C. Education, Ramesh Publishing House., New Delhi.
2. Lal Madan (2005) Essentials of Educational Technology, Anmol Publications PVT.LTD., New Delhi.
3. Leon A and Leon M. (1999) Fundamental of Information Technology, Vikas Publishing House PVT. LTD.,New Delhi
4. www.techlearning.com
5. www.edtechmagazine.com
6. www.education.world.com