Pedagogy Insights
An International Peer reviewed Journal of Multidisciplinary research
Vol. 1, Issue. 1, April-June 2026, 1–7
ISSN: 3139-843X
DOI: https://doi.org/10.5281/zenodo.21913485

The significance of Audio-visual tools used in Higher Education Institutions

Dr. Bharti Kumari[1*]

[1]Assistant Professor, R.T.C B. Ed College, Ranchi. Email id- bs4417009@gmail.com

Abstract

Any equipment or item that teacher employ to support student's learning are often referred to as teaching aids. They foster interaction and give students a multi model learning environment. The process of teaching-learning depends upon the different types of tools available in the classroom. There are many teaching devices available like audio, visual, audio-visual called Teaching Learning Materials (TLM). In higher education institutions audio-video aids plays an important role in teaching learning environment in various ways. It enables young learner to motivate and understand the concept according to their individual differences. The audio-visual aids work effectively in the teaching and learning process because it engage the learner by using more than one sense they employ eyes, ears, mind, fingers and may also engage the feelings of the learner. Dike (1993) defines audio-visual aids as training or educational material which are aimed at the sense of sight and hearing, their functionally is to enhance the learning experience by using handouts, photos, White Board, Flipchart, Power point, slide show, microphone, music, film among others. The audio-video tools have value in the learning activities of learner for the reason that they can reinforce the concepts that an educator has been aiming to communicate. The main objective of this paper is to study the significance of audio-video aids used in higher education institutions and analyze the impact of the audiovisual tools in the present context of teaching learning process. In this study the secondary data collection method was used with the help of books, journals, magazines, internet, websites etc.

Keywords: Equipment, foster, Teaching-Learning Material, reinforce, audio-video aids

ARTICLE HISTORY

Received: 15 May 2026; **Accepted:** 25 May 2026; **Published:** 10 June 2026

CITATION

Kumari, B., (2026). The significance of Audio-visual tools used in Higher Education Institutions. *Pedagogy Insights*, 1(1), 01-07.
DOI: https://doi.org/ 10.5281/zenodo.21913485

COPYRIGHT: © 2026 The Author(s). This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0International License (CC-BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See http://creativecommons.org/licenses/by/4.0/

ISSN: 3139-843X

1. Introduction

Education is an imperative instrument of exploration and manifestation of hidden capacities, capabilities and potentials of individual. We can say that education is the modification of behavior. It is possible only when the teaching learning process is enabled with different new types of approaches. In traditional way of teaching only some items were used by the teachers in teaching-learning process, but now in present context of education there are so many different types of devices are available in the classroom. Which makes the learning effective and productive in various ways of student's life.
Teachers use special tools to make learning exciting and understandable in classroom is referred as Teaching Aids. These teaching aids are available in various forms like audio aids, video aids, and audio-visual aids. It makes teaching – learning process very exciting and delightful. Complex concept can be easily understand by the learners. Every individual has the tendency to forget. Proper use of teaching aids helps to retain more concept permanently. Teaching aids do not make the concept boring. It creates the environment of interest and makes it interesting to learn. Teaching device used by teachers to help learners to improve reading, understanding skills, illustrate or reinforce a skill fact or idea.

Audio and video tools means the total material by which students can understand the written or oral content in classroom during teaching learning process. Knowledge which is gained by the sense organs is stay more and permanent. Audio and video aids play an important role in learning environment. These aids are those sensory objects or images which initiate stimulate and reinforce learning.

2. Definitions

- "Our lesson ought to start from the concrete and end in the abstract." -------- Frobel
- "Teach through things that come in contact with children and which concern their immediate interest, feelings and thoughts." ---------- Pestalozi
- "Never substitute a sign for the things itself." ---------- Rousseauo
- "Audio visual aids are those aids which helps in completing the triangular process of learning that is motivation, classification and stimulation." --------- C. V. Good

Audio-visual tools and devices that help the teacher to accomplish things quickly and effectively. Good instruction is the foundation of any educational program. Audio-visual tools are a component part of the foundation. Our sensory organs are the gateways of knowledge. Sensory experience form the foundation for any intellectual activity. These experiences are transacted in the classroom using a number of teaching aids. These aids reinforce their spoken or written word with concrete image

ISSN: 3139-843X

which form a strong base for learning. The learning aids include visual aids, audio aids, teaching aids, real objects etc. The visual aids in the form of illustrated pictures, charts, maps etc., are pictorial material generally two dimensional in nature. Those aids which have sound attributes only like radio, tape recorders, gramophone, linguaphone, language laboratory etc., are called audio aids. Teaching machines like television, computers, LCD projects, Film projector, VCD player, virtual classroom, Multimedia etc which both visual and sound effects are labeled as audio video aids.

3. Objectives of the study

1. To analyze the educational significance of audio and video aids in higher education institutions.
2. To find the impact of audio video aids in teaching learning process.

4. Methodology

The present study is analytical in nature. The information was collected with the help of secondary sources like books, magazines, journals, and different types of websites related with the topics.

4.1. Educational significance of good audio and video tools

Audio and video aids used in teaching learning process has wide significance from the viewpoint of teachers as well as learners are-

- ***Use of all the senses organs-*** Senses are said to be the 'gateways of knowledge'. Audio video aids call for utilization of as many senses as possible and thereby facilitate the maximum learning on the part of students in higher education institutions.
- ***Helpful in drawing attention-*** Concentration at attentiveness are two key aspects of teaching-learning process. Audio-visual aids help the teacher to create situations and maintain a conducive atmosphere for classroom activities. They enable the teacher to capture the attention and sustain interest in classroom activities.
- ***A good motivating force-*** Audio-video aids help in awakening the inner urges, instincts, basic drives and motives of the students and thus prove to be a potent force for energizing learner to learn effectively.
- ***A good substitute for direct experience-*** Real learning is the best medicine for direct experiences. These types of teaching aids act as substitute for the real object or phenomena for making learning realistic and meaningful.
- ***Helps fixing up new learning-*** What is gained in terms of learning needs to be fixed up in the minds of students. Audio video aids help in achieving these objectives by providing numerous activities, stimuli to and experiences to the learners.

ISSN: 3139-843X

- ***Facilitates quick comprehension and retention of concepts***- The permanent images formed due to the use of audio-visual aids help in enhancing comprehension and retention.
- ***Encourage healthy classroom interaction***- The students are active participants in the classroom. The use of audio- visual aids in the form of wide variety of stimuli promotes cooperation and interaction in the classroom. It also solves the problem of indiscipline as students are not bored and their energy is channelized in active participation in classroom activities.
- ***Helps in the development of higher order faculties***- Use of audio- visual aids stirs the imagination, thinking process and reasoning power of the students. It calls for originality, creativity and inventiveness and other higher mental activities of the learner in higher education institution and thus leads to the development of intellectual abilities.
- ***Helps in positive transfer of learning***- A classroom learning can be considered to be meaningful only if it can be utilized in the learning of other concepts, subjects or solving real life problems. Use of audio- visual aids can aid in the process of transfer of learning to other situations.

4.2. Modern Trends in Audio Visual Aids

In recent years, there has been a trend towards the use of innovative methods in Higher Education Institution. The purpose of these innovative methods and modern trends is to enable young learners as per their interests and abilities, as well as their aptitudes and attitudes.

1. **Teaching Machine**- A teaching machine is a single frame presenting a problem is exposed to the pupil for study. It also has a question, a problem or an exercise for the pupil to answer the pupil is required to write his answer in a specified place. Some machines are adopted to allow a limited time for answering each question. The machine lets the pupil know whether his answer is right or wrong. If the answer is wrong the pupil can make another try. Some machines keep an account of the right and wrong answers made by the pupils. Teaching machine combined the function of materials and teachers. The material in the machine is usually programmed and pupils are expected to respond to the questions either by pressing appropriate button or speak into the machine. The use of teaching machines in India is very limited at the present moment.

2. **E- learning**- Today the Internet has become a wide source of information and knowledge on any topics. E-learning or electronic learning is a method under which students are able to find out information from e-sources, such as internet. Recorded devices and other media. In modern times, this has become very important. However, students should be warned that there may be some unscrupulous knowledge which can only harm them. There is also danger of copying from the internet and e-learning sources, so care should be taken against it.

ISSN: 3139-843X

3. **Power point**- Power point is a powerfully medium to present the material on any topic. It presents not only the static material, but also comprises dynamic features. It is, in fact, a computer program, which can be accessed on a computer on the Microsoft PowerPoint. Its features make it a tool which is widely used in presentations and seminars. With the help of this program, we can decorate our presentation with our ideas, colours, sound and animation etc. Presentation is very important in the field of commerce and education.

4. **Slides**- Slides are the separate sheets of a presentation. A slide can include titles, text, graphs, figures, diagrams, clipart etc. A slide can be printed black and white or it can be printed on transparent sheets.

5. **Handouts**- A handouts supports our presentation. We can distribute handouts among our audience before the start of the presentation. A handout can contain smaller prints of our slides which can be two, three or more on a single page. We can also print additional information on a handout; such as student's name, topic name, content, page number, date etc.

6. **Speaker's Notes**- This program can be used to prepared speaker's notes. Each page of the speaker's note can be used to write some notes along with the slide. When a speaker speaks at the time of presenting slide show, these notes help him to present his material.

7. **Hardware**- Under hardware are included teaching- learning materials or TLMs. This is b based on the theories and practices of physics and engineering. Under hardware are included Chalkboard, radio, overhead projector, slide projector, VCR, television, monitor, computer, calculator, computer printer, audiovisual recorder etc.

8. **Software**- Software is not the use of machines, but the use of psychological principles in teaching - learning process, so that desirable changes can be brought about in students. In this, machines can be used for making presentation of content more effective. In it, emphasis is laid on developing all three aspects of Education: input, output and processes.

4.3. Factors influencing the selection of audiovisual aids

The following factor should be kept in mind by selecting audiovisual aids for higher education institutions-

- The teaching objective- the type of behavior change we want to bring about: gaining information or changing attitudes, or learning some skills. e.g., poster can be used at awareness stage and

charts at the interest stage of the audience.

- The nature of subject matter being taught. e.g., some skills Can be taught only through demonstration
- The nature of audience- age level, educational level, interest, experience, knowledge of subject, intelligence etc., for e.g., printed literature is no use of for illiterates.
- The size of audience- for instance flash cards can be used for a small audience only; motion picture or larger audience. Group determines the selection of the aids.

5. Educational implications

After analyzed the study regarding audio-visual aids used in Higher Education Institutions revealed that audiovisual aids are the most effective and easy way to make the teaching learning process result oriented. Students found these resources useful in understanding the subject matter in the easiest way, which supports the audio- visual aids very useful instructional and promotional aids. Teachers play an important role in the use of audio-visual aids. They can develop software and can use radio, open and close circuit television, video tapes, audio tapes, computer and satellite for teaching aid reaching out the distance learner etc. They can participate in teleconferencing and computer assisted instructions. A teacher can functions as an organizer or manager of learning activities.

6. Conclusion

Audio visual aids play an important role in the retention of the subject matter for a long. Time almost all the topics in the various subjects can be covered by audiovisual ads. This is the reason modern day class room is shifted from blackboard to a smart board and projectors. Another value of using audiovisual aids is that they help the young learner to follow through the logic of the lesson. The logic of the lesson is the pattern of how the knowledge is organized and how it accumulates for effective concepts. Due to audio visual aid the learner can see how the information is accumulating or low on the facilitator moves from the known to unknown. Through the audio- visual aids, the students are able to see the content and how one moves from one selection of lesson to the other. This helps the learner to acquire new knowledge and skills. Thus, it is a production form of communication using sound and light effects not all people are visual or auditory learners the combination of line and self - promotes and reinforces this retention and enables the audience to better connect to the brand or message.

References

1. Sunder, Prem. (2018). *The effectiveness of audio- visual aids in teaching- learning process,* ISSN:

2320 - 2882, IJCRT, Issue, vol.6, 1 February 2018

2. Sood, J.K. (2015). *Teaching of science for understanding an application*, Agrawal Publications. R.I.E, NCERT, AJMER
3. Shabiralyani, et.al, (2015). *Impact of visual aids in enhancing the learning process case Research: District Dera Ghazi Khan*, Journal of Education and practice, ISSN 2222-1735, (paper), ISSN 2222-288X (online) vol.6, No. 19
4. Sharma, Vandit, Rajesh. (2012). *Teaching of science*, Vinay Rakheja Publishers.

https://www.researchget . net /publication/349624559-audio-visual-aids

https://studylectures.com/audio-visual aids-in education-definition-types-objectives

www.academia.edu

www.google.com