

The effectiveness of audio visual aids in teaching learning process at university level

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Abstract

Audio visual aids are important in education system. Audio visual aids are those devices which are used in classrooms to encourage teaching learning process and make it easier and interesting. Audio -visual aids are the best tool for making teaching effective and the best dissemination of knowledge .So there is no doubt that technical devices have greater impact and dynamic informative system. This study designed to analyze the effectiveness of audio visual aids in teaching learning process at university level. To achieve the purpose of study two questionnaires was design as research tool separately for teachers and students. The questionnaire was administered to 300 students and 100 teachers of the University of Kashmir, (faculty of arts and faculty of science) Mean score was calculated to determine the empirical reaction of students and teachers on each item. The data was analyzed by using standard deviation and Z test. The findings for each statement were made. On the basis of findings, the conclusion was drawn. It was found that the respondents viewed that A.V aids play important role in teaching learning process and make teaching learning process effective. The respondents viewed that A.V aids provide knowledge in depth and detail and motivates the teachers and students.

Keywords: effectiveness, audio-visual aids, teaching-learning process, university level

1. Introduction

Teaching and learning are the important element in education. The teacher use different methods and material to teach their students and facilitate effective learning. With the passage of time, different methods and techniques are entered in the field of education and teacher use different kinds of aids to make teaching-learning process effective. Audio- Visual aids are those instructional devices which are used in the classroom to encourage learning and make it easier and interesting. The material like charts, maps, models, film strip, projectors radio, television etc called instructional aids. (Rather, 2004) [6].

Audio visual aids provide the learners with realistic experience, which capture their attention and help in the understanding of the historical phenomena. They appeal to the mind through the visual auditory senses. (Jain, 2004) [2] There is famous Chinese proverb “one seeing is worth, a hundred words” it is fact that we receive knowledge through our senses. There is another proverb that” if we hear we forget, if we see we remember, and if we do something we know it” so it means that use of A.V aids make teaching learning process more effective. As Kishore (2003) [3] said “A.V aids stimulated thinking and understand.” The use of A.V aids in teaching learning process has multifarious values (Mohanty, 2001) [5]. A.V aids give chance to speakers to make a more professional and consistent presentation. The teaching profession is filled with countless opportunities to enrich the academic lives of students, while some concepts and educational objectives will be easy for students to grasp, other will require you to think creatively to ensure that important learning objectives are met.

2. Method and Procedure

The purpose of the study was to find out the effectiveness of A.V. aids in teaching-learning process at university level. The study was descriptive research in nature. Two five point rating scale questionnaire were developed to collect the data from teachers and student. The intended target population was all the students and teachers of faculty of arts & faculty of science. Out of the whole population, 300 students and 100 teachers were selected through simple random sampling technique.

3. Analysis of Data

Mean score was calculated for overall level of agreement / disagreement for each statement. For mean score norm was 3.00. However level of agreement was different for each statement. . The data was also analyzed percentage with the help of Microsoft excel. The overall level of agreement or disagreement and made the following comparisons

Table 1: Scale values assigned to each of the five responses was as

Level of Agreement	SA	A	UNC	DA	SDA
Scale Value	5	4	3	2	1

To calculate the mean score, following formula was used.

$$\text{Mean Score} = \frac{(FSA \times 5 + FA \times 4 + FUNC \times 3 + FDA \times 2 + FSDA \times 1)}{N}$$

Where

FSA = Frequency of strongly agreed

FA = Frequency of agreed

FUNC = Frequency of uncertain In order to determine the empirical reaction of the
 FDA = Frequency of disagreed teachers on each item, the mean score on all ten items
 FSDA = Frequency of strongly disagreed was calculated in table no 2

3.1 Item wise analysis of teachers

Table 2

S No	Statements	Mean Score (teachers)
1	Students understand more effectively with the use of A.V aids	4.47
2	Students take interest when teacher use A.V aids	4.30
3	Special training for using A.V aids is necessary	3.41
4	Use of A.V aids help a teacher during teaching process	3.80
5	Use of A.V aids provide easy way to teach a difficult concepts	3.41
6	A.V aids provides depth and variety of teaching methods	3.52
7	A.V aids save teacher time	3.40
8	A.V aids are easily available in classroom	2.63
9	A.V aids provide first-hand knowledge to students	2.64
10	Students participate actively as compare to simple teaching	3.34

Table shows that mean score more than 3.00 (norm) aids are more effective in teaching process at university
 means that most of the teachers agreed that use of A.V level.

3.2 Item wise analysis of students

Table 3

S No	Statements	Mean Score (students)
1	Teacher use A.V aids in the classroom.	3.97
2	Students feel difficulty to understand with A.V aids	2.87
3	A.V aids make learning effective	3.24
4	A.V aids save students' time	3.53
5	A.V aids provide difficult things in simple way to understand	3.76
6	Teacher clear the concepts of student by using A.V aids	3.88
7	Teacher prepare his /her aids before the class	3.32
8	A.V aids motivate the students towards learning	3.64
9	Use of A.V aids provides deep knowledge	3.80
10	A.V aids make learning long lasting	3.28

Table shows that mean score more than 3.00 (norm) means that most of the students agreed that use of A.V
 aids are more effective in learning process at university level.

4. Conclusion

The findings of the study clearly reveals that A.V. aids play an important role in teaching-learning process and make teaching-learning process effective. The respondents viewed that A.V. aids provide knowledge in depth and detail and a motivating force for both teachers and students. It is also revealed that A.V. aids make the difficult concepts easy for teachers and students. It makes the teaching-learning process economical in terms of time and energy for both the teachers and students.

5. Recommendation

On the basis of findings the study suggests that the teachers may be trained for using A.V. aids and should make proper planning before using A.V. aids. University may provide proper facilities of A.V. aids and the A.V. aids may be according to the level and interest of the students in order to get the desired results.

6. Reference

1. Heinich R. *et al.* Instructional Media and Technology for learning, Macmila, United States of America, 1996.
2. Jain P. Educational Technology, Moujpur Publication, Delhi, 2004.
3. Kishor N. Educational technology, Abhishek Publication, 2003.
4. Kunari C. Methods of teaching educational Technology, New Delhi, 2006.
5. Mohanty J. Educational Technology, Publish by Rajouri Garden, New Delhi, 2001
6. Rather AR. Essentials Instructional Technology, Published by Darya Ganj, New Delhi, 2004.
7. Singh Yk. Instructional Technology in Education, Published by Darya Ganj, New Delhi, 2005