

## **DIFFERENTIAL CONTRIBUTION OF TEACHING AIDS FOR THE EMPOWERMENT OF LEARNERS IN VETERINARY EDUCATION**

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**Abstract:** The objective of the present study is to identify the best of the teaching aid and to find out the most effective combination of teaching aid which illustrates the concept for easy learning at class rooms. Survey was conducted with the help of semi structured questionnaire. The study was carried out in Veterinary College and Research Institute of Tirunelveli district of Tamilnadu state. Total of 77 students was covered in the survey among them 59.74% male and 40.26% females. The students were between the age group of 17-20 years. The most familiar teaching aid known by the students and exposed to them till now at first year of college is black board (62.5%) followed by power point presentation (22.5%) and 57.5% of their classes are conducted by using combination of these two teaching aids. For understanding and attracting the students attention for the new topics 42.5% said power point presentation is required and 37.5% preferred black board and 15% preferred OHP and 37.5% preferred both board and PPT. 66.23% of the students felt that there is time influence on the preference towards the teaching aid needed for the combination of teaching aids preferred in the morning and afternoon class hours was board with power point presentation and video and/or power point presentation. Best of the teaching aid that illustrates most of student's satisfaction is black Board with Power Point presentation.

**Keywords:** Teaching aid, Power point, Black board and learning, Illustration aid.

### **Introduction**

Teaching or Instructional aids are useful for illustrating, reinforcing and summarizing the key concepts to ensure clear understanding. It enables students to visualize or experience something that is impractical to see or do in real life. Teaching aids engage or stimulate students to learning process as well as it facilitates different learning styles. The recent advancement in Veterinary science seems so fast that quality of education can only be ensured by teachers who efficiently picks up and make use of the right mode of teaching aids to illustrate the concepts that facilitate the learning process to be easy and contribute more on the understanding capability to the modern 21<sup>st</sup> century professional students. The objective of the present study is to identify the best of the teaching aid, and to find out the most

effective combination of teaching aids, which make best illustration for easy learning process at class room. What technologies will be pervasive?

### **Materials and Methods**

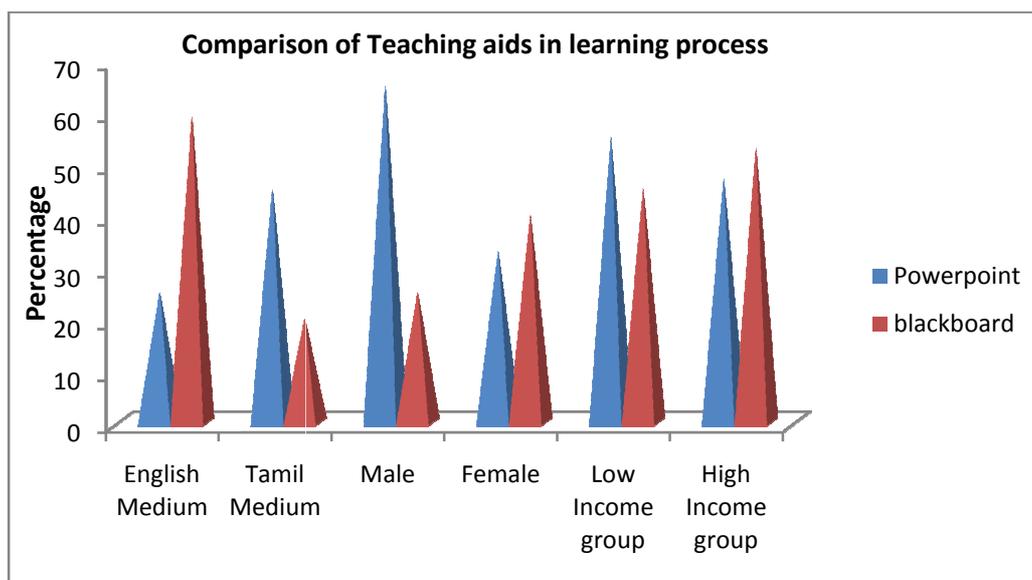
The study was carried out in Veterinary College and Research Institute, Tirunelveli district of Tamilnadu state. A Survey was conducted with the help of semi-structured questionnaire (Amarjit Singh and Rajesh K. Singh, 2012). The study population was a heterogenous group of 79 students, among them 38 and 41 students were in the second and first year of the under graduate programme, respectively. The students were between the age group of 17-19 years. The students belong to lower as well as higher income group.

### **Results and Discussion**

The most familiar teaching aid known by the students and exposed to them till the first year of college is black board (64.5%) followed by power point presentation (24%). Combination of black board with power point presentation are used as teaching aids in 58.2% of their classes followed by 14 % of their classes were by using board with video and only 10% of their classes were conducted with power point with video combinations to illustrate the concepts for augmentation of understanding.

Students felt Colored chalk and markers enhanced their attention in chalk and talk presentation. When students were used as “recorders on board” on rotational basis, it increased their involvement. For Classes on Statistics, which is of problem-solving in nature, it is the best method. Drawings or pictures drawn by the educators on the board made best impression on mind than shown in power point or projectors.

For understanding the new topics, 42.5% students said the Power Point Presentation is required to cater good illustration and 37.5% students preferred the black board, whereas 15% preferred the Over Head Projector when one kind of teaching aid used. When teaching aids used in combination, 44% preferred board with Power Point Presentation and 30% wanted board with over head projector to create interest over the new topics.



Morning and afternoon class hours have the influence on the preference towards the teaching aid needed by the students. 75% of the students felt the need of combination of teaching aid preferably, board with power point presentation in the morning sessions and either the video or / and the power point presentation with best illustration in the evening sessions to sustain their interest for long duration. Surprisingly, the remaining students of our study population said that the time did not have any preferential influence on usage of teaching aids in their learning and understanding process. For easy grasping and long term memory and retention was from (75%) power point pictures and video along with board chalk and talk. Power Point Presentations prepared with simple colored background with fewer lines dominated with illustrative diagrams, cartoons and shapes. At Questioner session of the class hour, Power points were easier to reference back to the slides, which enabled the students to clearly perceive the various concepts. When power point slides with illustrations were presented by the educators, which results in enhancement of creativity of educator in subsequent presentations and inculcation of creativity and sustainable attention among the learners in the current presentation.

### **Conclusion**

Best of the teaching aid that contributes for the clear illustrative subject delivery and promotes enthusiasm among the students for satisfactory learning is the combination of black board with power point presentation. Further, it is concluded that the teachers should frequently ask questions during lecture sessions to assess the understanding capability of students over the concepts taught them and to attract their interest towards the subjects.

Moreover, teachers who teach with board alone were not appreciated by the degree level students because of lack of opportunity to provide better illustration. Thus current situation demands the use of supportive infrastructure technology like Power Points and videos to be used by teachers in their class room to enhance understanding capability in learning process through illustrational teaching. Teaching aids can transform the educational environments into students stress free learning environments.

### **References**

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