

ATTITUDE OF TEACHERS TOWARDS DIGITAL CLASS ROOM AND ITS VARIATION WITH OTHER VARIABLES

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ABSTRACT

The present paper is an attempt to study the attitude of teachers based on their Age, Gender, Experience and Faculty/Stream in the middle school with the help of Digital Class Room. It is a computer based teaching aid which has pre stored detailed syllabus of each topic for a subject for a particular class group that is to be taught.

Keywords: Attitude, Teachers, Variation.

INTRODUCTION

New trends are available in teaching and learning. New Teaching methods have made teaching easy and friendly. One of the new trends in teaching is teaching with help of Digital Class Room. Teaching with the help of digital class room has been accepted by teachers or not, it's depends on their age, experience, gender or on the faculty/stream he /she belongs to. Digital class room are the combination of e-learning material and a big display unit. The contents are stored in computer's memory as per the syllabus defined for the class. Teachers have their login to the server i.e. the master computer, where all information are stored. Each class has a set of computer with a display unit with same size as of a Black board, So that whole class can see the contents displayed on the board comfortably. These boards have a touch screen technology. So the displayed contents can be selected, zoomed in and zoomed out as per the need with the help of a Stylus, a device like a pen. A video or picture can be played with sound. The content is displayed on the board with the help of a projector which is installed with the white board. A teacher has to login in with the user id and password issued to him/her. After login, the topic of the class/ subject and chapter is to be selected. Each topic is given time period. Teacher can modify the content as per his/her time frame.

OBJECTIVES

The study aims to achieve the following objectives:

To measure the impact of gender on attitude of teachers towards digital classroom

To measure the impact of age on attitude of teachers towards digital classroom

To measure the impact of teaching experience on attitude of teachers towards digital classroom

To measure the impact of faculty/stream in which they are teaching on attitude of teachers towards digital classroom

HYPOTHESIS

There is a significant difference of attitude towards digital class room between male and female teachers.

There is a significant difference of attitude towards digital class as per the age of a teacher.

There is a significant difference of attitude towards digital class as per the experience of a teacher.

There is a significant difference of attitude towards digital class as per the faculty/ stream of a teacher.

METHODOLOGY

Survey was conducted for the same in a school based at Chittorgarh Rajasthan where the Digital Classes method of teaching is used as one of the teaching methodology. A sample of 25 teachers was collected out of 40 teachers in the school and a questionnaire was given to them considering of questions related to digital class method of teaching, from the questionnaire teacher's attitude towards digital class technology was measured. The questionnaire consists of questions based on the information of their age, gender, faculty/stream, teaching experience with traditional or digital class. The questions comparing digital class with traditional class teaching i.e. with the help of chalk & black board method were given. The analysis of collected data is given into following pages.

ANALYSIS & INTERPRETATION

Analysis of attitude of teachers (Gender wise)

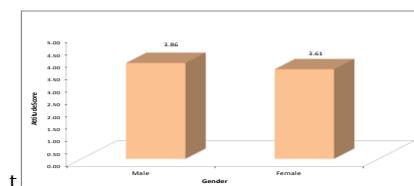
The above test result shows non-significant difference in the attitude of teachers towards digital class room ($t = 0.95, p > 0.05$). This shows that though the attitude of male teachers was slightly higher than the female teachers but this difference was not statistically significant. Thus the hypothesis that there is significant difference between the male and female teacher attitude towards digital class is rejected. The above test predicts non-significant difference in the

Table 1: Gender wise Distribution

Gender	N	Mean	SD	t	df	Result
Male	13	3.86	0.69	0.95	23	NS
Female	12	3.61	0.64			

attitude of teachers towards digital class room ($t = -0.66, p > 0.05$) with respect to faculty or stream in which they are teaching. Though the attitude of a teacher of non-science was higher but the difference was not statistically significant. Thus the hypothesis that there is significant difference on the basis of different faculty/stream of a teacher's attitude towards digital class is rejected. The above test shows non-significant difference in the attitude of

teachers of any age group towards digital class room ($F = 0.395, p > 0.05$). Though the attitude level vary slightly among different age groups but the difference was not statistically significant. Thus the hypothesis that there is significant difference on the basis of age of teacher's attitude towards digital class is rejected.



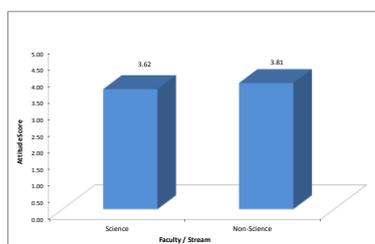
Analysis of attitude of teachers (Faculty/Stream wise)

Table 2: Faculty /Stream Wise

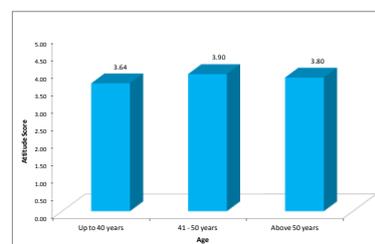
Gender	N	Mean	SD	t	df	Result
Science	9	3.62	0.62	-0.66	23	NS
Non-Science	16	3.81	0.70			

Table 3: Age Wise Distribution

Age	N	Mean	SD	F	Result
Up to 40 years	14	3.64	0.59	0.395	NS
41 - 50 years	8	3.90	0.77		
Above 50 years	3	3.80	0.90		



Analysis of attitude of teachers (Age wise)

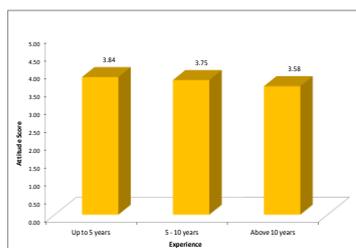


Analysis of attitude of teachers (Teaching Experience wise)

Table 4: Experience Wise Distribution

Experience	N	Mean	SD	F	Result
Up to 5 years	8	3.84	0.40	0.239	NS
5 - 10 years	11	3.75	0.86		
Above 10 years	6	3.58	0.62		

It is told that only young teachers have interest in implementing new trends in teaching but the result shown that teachers of long



The above test shows non-significant difference in the attitude of teachers of any experience group towards digital class room ($F = 0.239, p > 0.05$). Though the attitude level vary slightly among different experience groups but the difference was not statistically significant. Hence the hypothesis that there is significant difference on the basis of teachers teaching experience, teacher's attitude towards digital class is rejected.

CONCLUSION

From the above research it can be concluded that

Male and Female teachers those are using digital classes as teaching tool have positive attitude towards the method of teaching.

Teachers of all age group have shown their interest and positive attitude towards teaching through digital class. Even they consider that system is easily operated.

experience also have positive attitude towards teaching with the help of digital class.

Teachers of all faculty/ stream are comfortable and have positive opinion of its effectiveness in teaching and learning.

LIMITATIONS

Survey was conducted in one school only and sample was small, hence to conclude about population more number of schools could be taken and relatively large sample is required.

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