

ATTITUDE TOWARDS USING NEW TECHNOLOGIES AMONG POST GRADUATE TEACHERS

PRAVEENA, K. B.

Assistant Professor, Department of Studies in Education, University of Mysore, Manasagangotri, Mysore-570006,
Karnataka State, India.
E-mail: friendlypraveen@gmail.com

Keywords - Post Graduate Teachers' attitude towards recent technology, Using New Technology in teaching and learning, New technologies in teaching, attitude towards new technologies among teachers.

I. INTRODUCTION

Global society is now in an information century. In this century, people are witnessing communication revolution. In this revolution, the new technologies have been developing very fast this development has transformed the structure of education system. New technologies are more efficient & effective because teachers and students use new technologies for teaching & learning. Educators must redesign technology based instructional environment for their students.

It is the responsibility of teachers to make sure that teaching-learning should be effective. Therefore teachers must use new technologies adequately and appropriately. Post Graduate teachers play an important role in the development of a nation. They should have enhanced their competencies to meet the requirements of effective teaching. New technologies in education will supplement post graduate teachers in enhancing their teaching as well as communication skills. This will in turn help students to learn effectively. Thus this study tries to throw light on the attitudes of post graduate teachers in using new technologies in education.

II. OBJECTIVES OF THE STUDY

1. To study the level of attitude towards using new technologies among Post Graduate Teachers.
2. To study significant difference among faculty of different departments with reference to attitude towards using new technologies among Post Graduate Teachers.
3. To study significant difference among different teaching experiences with reference to attitude towards using new technologies among Post Graduate Teachers.

III. HYPOTHESES OF THE STUDY

1. There is no significant difference among different departments with reference to attitude towards using new technologies among Post Graduate Teachers.

2. There is no significant difference among different teaching experiences with reference to attitude towards using new technologies among Post Graduate Teachers.

Tool used for data collection:

For the present study the tool used was, "Teachers' Attitude towards Using New Technologies", which is developed and standardized by Dr. Rajashekar, S. (2009).

Statistical techniques: The researcher has used percentage analysis, t-test and ANOVA

Sampling Technique: In the present study the researcher has selected simple random sampling technique for the collection of data. The total population of University of Mysore includes 292 teachers among them 90 Post Graduate Teachers from Arts, Science, Commerce and Language departments are randomly selected for the present study.

IV. ANALYSES, FINDINGS AND INTERPRETATIONS

Obj. 1: To study the level of attitude towards using new technologies among Post Graduate Teachers.

Sl.No.	Level	Status	
		F	%
1	High	44	49%
2	Average	23	26%
3	Low	33	25%

The study indicates that 49% of the teachers were having high attitude towards using new technologies, 26% of the teachers were having average attitude towards using new technologies and 25% teachers were having low attitude towards using new technologies.

Therefore there is a need for more than 50% of post graduate teachers to develop a positive attitude to use new technologies for teaching and learning. Universities must identify this gap and provide

opportunities to teachers to use new technologies by giving motivation to teachers in this regard.

H1: There is no significant difference among different departments with reference to attitude towards using new technologies among Post Graduate Teachers.

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>
Between Groups	2407.78	3	802.59	8.436*
Within Groups	8182.31	86	95.14	

*Not significant at 0.05 level.

The study indicates that obtained 'F' value is 8.436 is greater than the theoretical table value 2.71 at level of 0.05 is significance. Hence, the null hypothesis is rejected and alternative hypothesis is formulated by the researcher and it is concluded that "There is a significant difference among different departments with reference to attitude towards using new technologies among Post Graduate Teachers.

Therefore the University should identify the faculty belong to different departments having different levels of attitudes to train them accordingly in using new technologies for their teaching and learning.

H2: There is no significant difference among different teaching experiences with reference to attitude towards using new technologies among Post Graduate Teachers.

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>
Between Groups	452.11	3	150.70	1.278**
Within Groups	10137.98	86	117.88	

**Significant at 0.05 level.

	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>
below 5	51	95.64	12.47
5 -10	15	93.86	9.11
11-15	11	93.09	8.21
above 15	13	89.15	6.58

Table shows comparison of the four different teaching experience groups

The study indicates that obtained 'F' value 1.278 is lesser than the theoretical table value of significance. Hence, the null hypothesis is accepted and concluded

that, there is no significant difference among different teaching experiences with reference to attitude towards using new technologies among Post Graduate Teachers.

The study indicates the comparison among four groups having different teaching experience i.e., 51 teachers having teaching experience below 5 years had highest mean score of 95.64; whereas 15 teachers having teaching experience of 5-10 years had a mean score of 93.86; whereas teachers having teaching experience of 11- 15 years had a mean score of 93.09; and 13 teachers having teaching experience above 15 years had mean score of 89.15.

CONCLUSION

Teaching is a complex activity and it requires variety of teaching skills. The new technologies have created a wonderful scope for teacher to learn and teach. The positive attitude towards using new technologies should provide a desirable platform for teachers to enhance their learning and teaching skills. The universities certainly have to consider this new phenomenon and make the faculty of all the departments to be motivated towards using new technologies for learning and teaching. Recently appointed teachers have more positive attitude than the teachers having more teaching experiences. This is because of the generation gap in using new technologies. But a well deserved teacher should develop a positive attitude in spite of his/her teaching experience. The universities have to undertake quantitative and qualitative research studies to understand the gap between the teachers having different age groups. The universities should inspire post graduate teachers in order to develop among themselves, a positive attitude towards using new technologies in teaching and learning. In this regard the teachers should be provided with all facilities related to new technologies. Conducting orientation programmes, training programmes will definitely motivate the post graduate teachers.

REFERENCES

- [1] Mangal S. K. and Umamangal (2009) "Essentials of Educational Technology." Neelkamal publications Pvt.Ltd., New Delhi.
- [2] NeelamYadav(2003). *A Handbook Of Educational Technology*. 1st edistion Anmol Publications Pvt.ltd. New Delhi
- [3] Rajasekar. S. (2004). *Computer Education & Educational Computing*. Neelkamal Publications Pvt.ltd.
- [4] Rao.V.K. (2003). *Computer Education*. APH Publishing Corporation. New Delhi.

★★★