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## A STUDY ON THE ATTITUDE OF SCHOOL TEACHERS TOWARDS WEB-BASED LEARNING

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### ABSTRACT:

**A** teacher being a pivot in the process of teaching and learning, knowledge of ICT and skills to use ICT in teaching-learning has gained immense importance for today's teacher. With the advent and popularization of Internet and World Wide Web, the world has become highly cohesive, and interconnected in nature. In the present technology world, the role of teacher has changed and continues to change from being an instructor to a constructor, facilitator, coach and a creator of learning situation. If a teacher is able to use Internet, www to teach effectively it is a tremendous joy for the learners. In the new technology era the role of classroom teaching is directed toward technology-linked instruction. For the effective use of www the teachers should have positive attitude towards the technology and be aware of information loaded/overload in the Internet. Hence the present study was conducted to find out the attitude of school teachers towards web-based learning. Finding that access to digital communication technology has made learning more interesting and joyful, the investigator of the study stress that teachers should be encouraged through training and support to use web and other IT systems in their teaching.

**KEYWORDS:** Web-Based Learning , process of teaching and learning.

### INTRODUCTION

In 21st century, competencies in education are seen more in line with Information and Communication Technology. Every nation wants to produce students who ultimately become the knowledge workers in their own economy to be global citizens. There is a need for change in each and every sphere of the society in tune with ICT. Education is the only means to incorporate ICT in the developmental aspects of the society. ICT can be used as a tool to improve the quality of education for preparing the society and its manpower to face the challenge of future. It requires the proper manpower to handle and use ICT in the schools in a proper way. Only a creative and enthusiastic teacher can incorporate the modern development of ICT in the classroom very successfully.

### OBJECTIVES OF THE STUDY

- To study the significant difference in the attitude of male and female teachers towards web-based learning.
- To study the significant difference in the attitude of aided and government school teachers towards web-based learning.
- To study the significant difference in the attitude of aided and unaided school teachers towards web-based learning.
- To study the significant difference in the attitude of unaided and government school teachers towards web-

based learning

- To study the significant difference in the attitude of arts and science subject teachers towards web-based learning.
- To study the significant difference in the attitude of teachers having an experience of five years and above five years towards web-based learning.

**METHODOLOGY**

Normative survey method was employed. A sample of 100 school teachers in Trichy District of Tamil Nadu State constituted for this study.

**DESCRIPTION OF THE TOOL**

The 'Attitude of Scale towards Web-Based Learning' developed by the investigator which consisted of 33 statements. Each statement provided 3 responses. The responses were expressed on a 3-point scale viz., Agree, Undecided, and Disagree with weights of 3, 2, 1 are given in that order for the favorable statements and the unfavorable statements.

**ANALYSIS AND INTERPRETATION**

**Table 1: Significant Difference between Male and Female Teachers towards Web-based Learning**

Gender	N	Mean	SD	t-value	Remark
Male	40	74.88	9.82	0.32	Not Significant
Female	60	73.57	9.82		

Table-1 depicts that the calculated t-value 0.32 is less than the table value 1.96 at 0.05 level. Hence there is no significant difference in the attitude of male and female teachers towards web-based learning.

**Table 2: Significant Difference between Government and Aided School teachers towards Web-based Learning**

Types of Management	N	Mean	SD	t-value	Remark
Government	26	76.62	11.0	2.50	Significant
Aided	38	69.79	7.70		

Table-2 shows that the calculated t-value 2.50 is greater than the table value 1.96 at 0.05 level. Hence there is a significant difference in the attitude of government and aided school teachers towards web-based learning.

**Table 3: Significant Difference between the Aided and Unaided School teachers towards Web-based Learning**

Types of Management	N	Mean	SD	t-value	Remark
Aided	38	69.79	7.7	4.20	Significant
Unaided	36	75.08	9.12		

Table-3 reveals that the calculated t-value 4.20 is greater than the table value 2.58 at 0.01 level. Hence there is significant difference in the attitude of aided and unaided school teachers towards web-based learning.

**Table 4: Significant Difference between Government and Unaided School teachers towards Web-based Learning**

Types of Management	N	Mean	SD	t-value	Remark
Government	26	75.62	11.0	0.91	Not Significant
Unaided	36	77.08	9.12		

Table-4 indicates that the calculated t-value 0.91 is less than the table value 1.96 at 0.05 level. Hence there is no significant difference in the attitude of government and unaided school teachers towards web-based learning.

**Table 5: Attitude of Arts and Science Subject Teachers towards Web-based Learning**

Subject	N	Mean	SD	t-value	Remark
Arts	57	75.61	9.80	1.52	Not Significant
Science	43	73.53	9.57		

Table-5 shows that the calculated t-value 1.52 is less than the table value 1.96 at 0.05 level. Hence there is no significant difference among the arts and science subject teachers towards web-based learning.

**Table 6: Significant Difference between the Teachers having an Experience of Below Five Years and More than Five Years towards Web-based Learning**

Experience	N	Mean	SD	t-value	Remark
Below 5 yrs	52	72.94	9.63	0.65	Not Significant
More than 5 yrs	48	71.58	9.99		

Table-6 depicts that the calculated t-value 0.65 is less than the table value 1.96 at 0.05 level. Hence there is no significant difference between the teachers having an experience of below five years and more than five years towards web-based learning.

## FINDINGS

- Web-based teaching and learning is a modern trend in the field of education. It provides as much information and knowledge based upon the teachers ability and students strength. Web-based learning is a new pedagogical outlook in the mental map of a classroom teacher.
- The present study reveals that both male and female teachers have a positive attitude towards web-based learning.
- The government and unaided school teachers have more favorable attitude than aided school teachers.
- Even though their major subject varies, both the arts and science subject teachers use computer and related technologies in their teaching-learning process. They feel the relative importance of Internet and web for their effective teaching.
- Teachers having below five years of experience and above five years of experience do not vary significantly in their attitude towards web-based learning.

## CONCLUSION

The www has a vast collection of information of various subjects which is not always available in an organized array. Teachers are an important element in the educational network. So the teachers should be encouraged, through training and support, to use the web and other information technology systems in their teaching.

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