

# A Study of Awareness about Educational Technology of Pre- Service Secondary Teachers

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## ABSTRACT

The present research paper focuses over Awareness about Educational Technology of Pre-Service Secondary Teachers. It included 90 Pre-Service Secondary Teachers of Shree Swaminarayan College of Education, Bhavnagar of the academic year 2006-07. It could bring out the true picture the awareness of pre-service secondary teachers about Educational Technology.

**Key words:** educational technology.

## Introduction

The change in every field of life is a proof that technology has spread all the aspects of day to day life. Even though, we wish, we can't stop the winds of changes brought forth by technology. Knowledge is becoming free day by day. Man wishes for changes. The same has also touched education as well. Traditional teaching methods have made children exam oriented only. It has resulted into learning through cramming only. The sole aim of education is to make child FREE in every sense. It is the sole duty of the stake holders of education to create such an environment in which child can think freely and open- mindedly. Educational technology offers an alternative to bring such changes (Parmar, 2006).

Educational Technology plays a very important role in bringing changes in education. Researches undertaken in this field showed that teachers rarely applied technology means to teach effectively. Lack of awareness of using educational technology by teachers may also be one of the reasons (Amardeep & Singh, 2007). After studying the above scenario of using ET in

classrooms, the present research was undertaken.

## Objectives of the Research

The following were the objectives of the research:

1. To study awareness about educational technology of pre-service secondary teachers.
2. To study the relationship between the gender and social classes of pre-service secondary teachers.

## Hypotheses of the Research

1. There will not any significant difference on educational technology awareness scale between male and female pre-service secondary teachers.
2. There will not any significant difference of average score between socially backward and open category pre-service secondary teachers.

## Delimitation of the Research

The present research was delimited to the pre-service secondary teachers of the academic year 2006-07 of Shree

Swaminarayan College of Education, Bhavnagar of the academic year 2006-07.

Operational Definition of the word:

Pre-service Teachers' Awareness about Educational Technology

Total score of responses on educational technology Awareness Scale on teaching-learning materials, methods and techniques used by the respondents included here.

Scope and Sample

The pre-service secondary teachers of the academic year 2006-07 of Shree Swaminarayan College of Education, Bhavnagar university of the academic year 2006-07 were the scope of the research. And out of 100, 90 pre-service secondary teachers were the sample of the research.

Tool

Educational Technology Awareness Scale constructed by Amardeep & Singh in English and translated by Bhogaita (2002) was the tool of the research. Later on it was modified by Parmar (2006). It contained 28 items .It

was a Five Scale Awareness towards Educational Technology.

The first fifteen items were related to instructional media the next five to instructional techniques and the last five were related to instructional methods and techniques.

The respondents were asked to put ( ) sign against each statement. They were to give their personal information like name, methods, gender and social class.

Data Collection

The researcher collected the data from the respondents after giving proper instructions about responding in a proper way.

Data Analysis

The data were analyzed using the computer program SPSS, Average Standard Deviation, T- Ratio.

Level of Awareness towards Educational Technology

The result has been discussed using proper tables and their interpretations.

Table-1

Percentage of Pre-Service Teachers Awareness of Educational Technology

Level	Instructional Aids	Techniques	Methods	Overall Awareness
Lower	11.1	16.76	21.10	15.60
Medium	73.3	65.50	62.20	70
High	15	17.80	16.70	14.40

The table 1 shows that Pre-Service Teachers over all Awareness of Educational Technology was 15.6 medium was 70 and 14.4 were having higher awareness.73. 3 of the total were having medium awareness,11.1 were of lower and 15.6 were

of high level awareness of equipments.65.5 of the total were having medium, 16.76 were of lower and 17.8 were of average level awareness about techniques. 62.20 of the total were lower level was of 21.1 & 16.7 were of high level.

## Interpretation of Hypotheses

Two Hypotheses constructed here were of gender and social class. The results of them are discussed here as follows.

The first Hypothesis was

There will not any significant difference on educational technology awareness scale between male and female pre-service secondary teachers on Scale.

The following table shows the result.

Table 2  
Calculation of T-ratio of Gender

Gender	Total Respondents	Average	Standard Deviation	T-Ratio
Male	49	78.18	14.63	0.15
Female	41	77.16	12.63	

The table 2 reads that 49 male and 41 female pre-service secondary teachers were there. The Standard Deviation of the male pre-service secondary teachers on were Educational Technology Awareness and

average ratio and Standard Deviation were 78.18 and 14.63 were respectively. Whereas on female pre-service secondary teachers, they were 77.76 & 12.67.

1. The Second Hypothesis was

There will not any significant difference on average score between socially backward and open category pre-service secondary teachers on v Scale.

The table 3 shows the interpretation of the hypothesis.

Table 3  
Calculation of T-ratio with relation to Social Class

Social Class	Total Respondents	Average	Standard Deviation	T-Ratio
Backward	48	77.42	13.20	0.42
Non Backward	42	78.64	14.39	

Table-3 shows that there were of 48 of backward class and 42 were of non backward class pre-service secondary teachers. The average ratio on Educational Technology Awareness Scale of backward class was of pre-service secondary teachers were 77.42 and 78.64 respectively whereas average ratio and Standard deviation of backward and non backward were 78.64 and 14.39 respectively. The T-ratio of backward and non backward

was 0.42 that was not significant at 0.05 level. So the null Hypothesis was not rejected. It showed that the effect of the social class was not found.

## Conclusions

1. The average awareness about educational technology of pre-service secondary teachers was 70 i.e. average.

2. Most of the pre-service secondary teachers had average level about Educational Technology.
3. No relation on gender of educational technology awareness of pre-service secondary teachers was found.
4. No relation on social status on educational technology awareness of

pre-service secondary teachers was found.

#### Reference

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**Everything that has been invented has at one time or another been thought of as impossible. Don't let other people hold you down when it comes to going after your dreams. Trust your heart and follow your highest excitement.**