

# A Study of Attitudes of High School Teachers towards Application of Technology in Classroom Teaching”

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## Introduction

Technology is a tremendous force in 21<sup>st</sup> century because it influence every fields of life. Technology enforces all people to change. As a contemporary person, each individual have to adopt themselves in accordance with technological innovations. “The teacher’s place in society is of vital importance”. He acts as the pivot for transmission of intellectual traditions and technical skill from generations and helps to keep the lamp of civilization burning. He not only guides the individual, but also, so to say, the destiny of the nation”.

Teachers have to realize that their past and present teaching styles and methods are not necessarily incorrect but need to adopt and grow. They also have diverse beliefs about knowledge, teaching and learning exhibit a wide range of familiarity with software and vary in their motivation to use the computer and technology. Hence, regardless of how passionate administrators and policy makers may be about the new machines because of these differences among teachers, they will vary in using the new technology. The study specifically investigated teacher’s attitudes towards using these resources.

## Statement of the problem:

Before conducting this study, to select a subject of his choice, the researcher during his library work decided to select a subject regarding attitude keeping in mind different aspects of this study. For this, according to the suggestion of a guide, the researcher studied the previously conducted researches, during which study the researches of the category of M.Ed., M.Phil. And Ph.D. was included. Finally the following title worded as decided for the study: “**A study of attitudes of high school teachers towards application of technology in classroom teaching**”

## Definition of the Key Terms:

It is also essential for the researcher to define some terms frequently used in a specific sense with some limitations in the study. The operational definition of the terms used in the present study is given: Attitude, Technology, and Educational Technology, Attitude towards computer used in education, Information and Communication Technology (ICT) and high school teachers.

## Significance of the study:

Investigator has surveyed the literature, before selecting the problem. Not much research work found for this very important and relatively newer area of investigation. When technology is affecting every human activity then here the most vital activity, termed as education can remain in isolation. This lead to the choice

of problem, the selected problem has possibility of empirical testing, collection of data, sampling possibility, application of statistical techniques, interpretation of data and testing of hypothesis are within the research of investigator.

### **Variables Involved In the Study:**

The present study has Types of Institutions, Gender, Area, and Length of Experience as a variable.

### **Objective of the study:**

Objectives of present study are:

To construct and standardize a scale for testing of **“Attitude of high school teachers towards application of technology in classroom teaching”**

To evaluate the impact of type of the institution i.e. Grant in Aid & Self Finance, to examine the impact of Area, with respect to Gender, with respect to Length of experience in teaching, to study the effect of interaction and their between different variable.

### **Hypotheses of the study**

The hypothesis states the researcher's expectations concerning the relationship between the variables in the research problem. A hypothesis is a statement of that the investigator believes will be the relationship between two or more variables in a study.

### **Population and Sample of the Study:**

In the present study the researcher wanted to find out the attitude of high teachers towards application of technology in the classroom. The population of present study consists all granted and self-finance High Schools of Central Gujarat. Investigator has stratified whole data in different strata and from each data, he gave equal representation. Thus, in the present study schools of Central Gujarat selected by Purposive sampling method. Teachers working in these schools selected by simple stratified random method as sample for the study.

### **Delimitations of the Problems:**

The problem includes measuring of attitude of high school teachers towards application of technology only in classroom situation. The present research was carried out on the teachers from Gujarati medium high schools from Central Gujarat's four districts only. The technology here means only instruments, which we can use in classroom situation. The study is also delimited in terms of variable i.e. only sex, Area, type of institution and length of experience.

### **Conclusion:**

To examine what new and experienced teachers know about technology use for teaching and learning, how they use knowledge of technology use in their practice, and how knowledge is shared. Investigation proposes to study teacher's attitude towards educational Technology in their teaching.