# ATTITUDE OF SENIOR SECONDARY SCHOOL STUDENTS TOWARDS E-LEARNING

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## ABSTRACT

The Present investigation is an attempt to study the attitude of senior secondary school students towards E-Learning. It is based on the hypothesis that there is no significant difference in the attitude of male and female senior secondary school students of Sirsa city in Haryana. Sample for the study consisted 120 students, out of 60 male studentsand 60 female students of Senior Secondary Schools of Sirsa city. Standardized tools Attitude towards e learning scale (ATELS-RD) developed by Dimple Rani was used. Descriptive research method was used to achieve the objectives of the study. The data was analyzed by using t-test. The findings of the study revealed that there is no significance difference between the attitude of male and female senior secondary school students towards E- Learning in Sirsa city.

**Keywords**: Attitude, Students, E-Learning

## INTRODUCTION

The ongoing technological changes have made the education to pass through lot of changes from traditional Gurukul system to modern school. When the education system undergoes major reform, the educational processes will surely pass through the same. It is need of the hour for the educationist to introduce some innovation in the education system. The advancement of Information Technology (IT) has impacted on how things are done, its influence on teaching and learning, thus becomes increasingly complex and widespread. The use of technology in learning can be referred to as

electronic learning (E- learning) which comprises a wide range of applications and processes designed to deliver instruction through electronic means. E- Learning systems are a new system of technology. E-Learning systems are multidisciplinary. Due to the rapid growth of internet technology, institutions and universities around the world are investing heavily in E- learning systems to support their traditional teaching. E-Learning is education through digital media, personal computer, DVDs, mobile phones and the internet. Through the use of new technological resources, E- learning programs make it possible for many students to attain their educational goals. Today's classroom is a more interactive environment with E- learning content such as new E- learning applications and the internet enabling faculty to provide more personalized learning experiences to individual students working with computers and other electronic devices. The present study aimed at studying the attitude of senior secondary school students towards E- learning. In order to achieve this objective, a sample of 120 students studying in XI and XII classes comprising 60 male and 60 female students of Senior Secondary Schools situated in Sirsa City .

**Statement of the Problem**

**Attitude of senior secondary school students towards E- learning in Sirsa City**

**Operational Definitions**

**Senior Secondary School Students**- It connotes the students studying in class IX TO XII in

Sirsa District of Haryana

**Attitude towards e-Learning**– In the present study attitude towards e-Learning refers to the individual's positive or negative feelings of participation in e-learning activities through computer use.

**Objectives of the Study**

1.  To study the attitude of senior secondary school students towards e_ learning in Sirsa City.
2.  To study the difference in the attitude of male and female senior secondary school students towards e-learning in Sirsa City.

**Hypotheses of the Study**

1.  The level of attitude towards e learning among the senior secondary school students in Sirsa city is high.

2. There is no significant difference in the attitude of male and female senior secondary school students towards e-learning of Sirsa city.

## Population

In the present study, 120 senior secondary school students of Sirsa City of Haryana state studying in Class XI & XII constituted the population of the present study.

## RESEARCH METHODOLOGY

It was decided to use Descriptive Method of research in the present case which was relevant and justified in view of the objectives of the study.

## The Sample of the Study

The total sample consisted of 120 (60 male and 60 female) students and the detail distribution of the sample selected for the present study given below.

## Tool Used

To collect the requisite data for present study the investigator used an Attitude Scale towards e-learning developed by Dimpal Rani. This scale consists 65 statements. Out of sixty five items thirty eight were positive and twenty seven were negative items.

## Statistical Techniques Used

t-test was used by the investigator to find the level of difference in the attitude of the male and female students of senior secondary school towards E-learning.

## ANALYSIS AND INTERPRETATION

H-1 The level of attitude towards E-learning among the senior secondary school students in Sirsa city is high.

## Table - 1

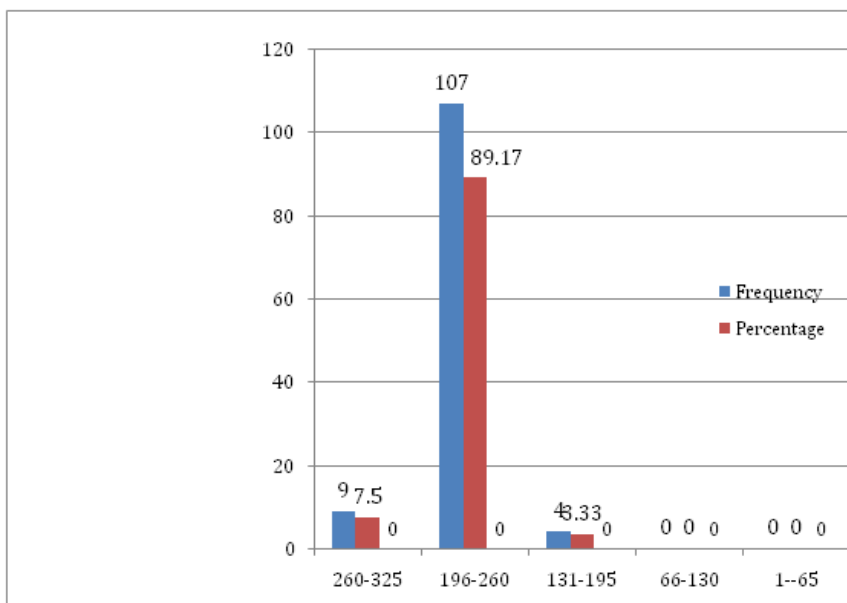| Sr. No. | Class Intervals | Frequency | Percentage | Level of E-learning |
|---------|-----------------|-----------|------------|---------------------|
| 1 | 261-325 | 9 | 7.5 | Very high |
| 2 | 196-260 | 107 | 89.17 | high |
| 3 | 131-195 | 4 | 3.33 | Average |
| 4 | 66-130 | 0 | 0 | Low |
| 5 | 1--65 | 0 | 0 | Very low |
| | Total | 120 | 100 % | |

## Figure 1

Table 1 depicts the level of E-learning among senior secondary school students of Sirsa city. It shows that 7.5 percent students have very high level of E-learning while 89.17 percent students have high level of E-learning which is the maximum frequency of the research. On the other hand, only 3.33 percent students have average level of E-learning.   It is found that no students has shown  low and very low level of towards E-learning , it means  that students have good knowledge about E-learning.

In other words the maximum students have shown high level towards E-learning. There are only few students who need to develop a high attitude towards E-learning. Hence the null hypothesis that the level of attitude towards E-learning among the senior secondary students in Sirsa city is of high level , is accepted **Odeshi (2014**) conducted a research and found that students have a positive attitude towards E- learning  because they find the system easy to use and useful for their course work. Also, attitude influences the intention to use an E- learning system.
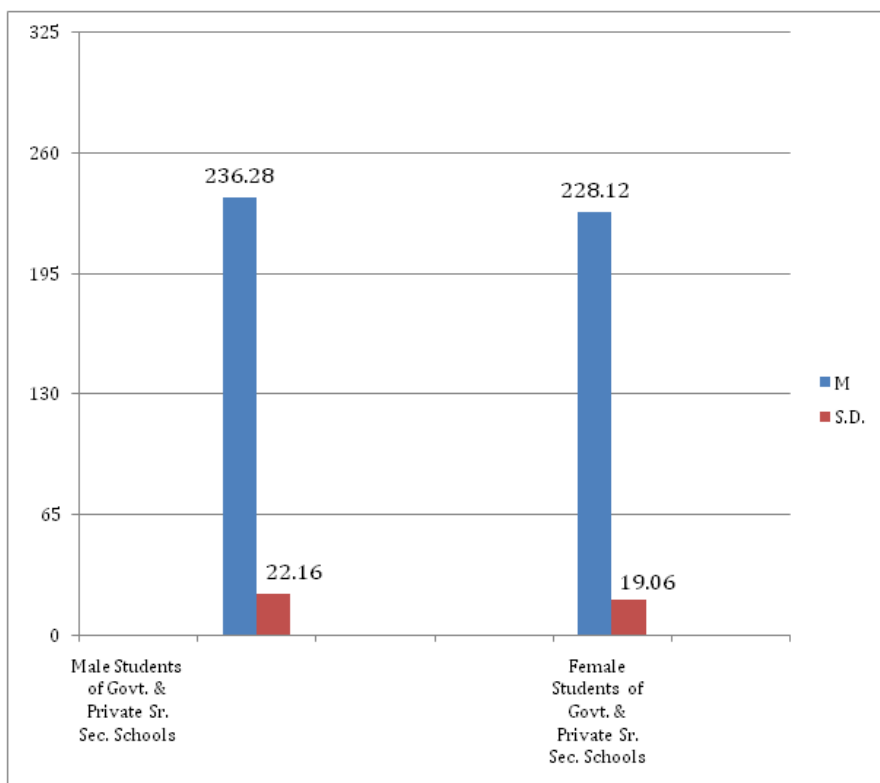
**H-2**   There is no significant difference between the attitude of maleand female students of senior secondary schools towards E- learning   .

| Group | N | M | S.D. | ‗ |
|---|---|---|---|---|
| Male Students | 60 | 236.28 | 22.16 | 2.16 ( Not Significant at .05 level) |

Table 2 depicts the difference between male students of senior secondary schools and female students of senior secondary schools attitude towards E-learning. The mean value of male students of senior secondary schools is 236.28 where as for the attitude of female students of senior secondary schools are 228.12. The standard deviation for male students of senior secondary schools is 22.16 and for female students of senior secondary schools is 19.06. The calculated t-value is 2.16 which is more than the table value of 1.98 at 0.05 level and significant at 118 degree of freedom. Hence, the null hypothesis that there is no significant difference between attitude of male & female students of senior secondary school is rejected. In other words, male & female students of senior secondary schools are different from each other with regard to the attitude toward E-learning. **Liaw and Huang (2011**) found that

male student have more positive E- learning attitudes than female students do; computer related experience is a significant predictor on learners' self-efficacy and motivation toward E- learning . Furthermore, self-efficacy and motivation, including intrinsic and extrinsic motivation, are significantly predictors on behavioral intention of using E- learning.

**Figure 2**



## FINDINGS

- Findings of the study show that male & female and students are differing in their attitude towards E-learning. Hence, Proper facilities should be arranged for them.

## CONCLUSION

The research has been conducted to illustrate the attitude of the students of

senior secondary school students towards E-learning. This research helps to better understand the characteristics of students in of senior secondary schools in Sirsa City, which can help policy makers, educators and experts to understand what the students expect from the learning management systems. This can help the management achieve the most effective deployment of such system and also helps them improve their strategic decision making about technology in the future, they can decide on the best approach that fit their students before implementing any new technology., The students need to equip themselves with technical education to decode the learning materials besides they live in any locality of culture. Better opportunities must be provided to the government schools as well as to female students. The E-learning atmospheres and infrastructures should be provided to the schools. Only a positive attitude will help to overcome the problem in E-learning process. It is the need of the hour to understand the advantage of E-learning.

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