

Comparative Study Of The Problems Faced By The Students Of Commerce Faculty At Senior Secondary Level In The Use Of Information And Communication Technology

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ABSTRACT

Information communication technology is the technology that provides complete knowledge about any event or incident happening anywhere in the world to any person. This technology has accelerated the pace of development process of education in the society and has given a new direction to teaching in educational institutions. Information and Communication Technology is not only improving the quality of education, but is also ensuring availability of best educational material for classrooms and is also improving the field of adult education. Due to its presence on the web server all the time, no school or student will be deprived of the benefits of education through the internet. The objective of the presented research work is to do a comparative study of the problems faced by the students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology. To conduct a comparative study of the problems faced by the students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology. To conduct a comparative study of the problems faced by the students of commerce faculty studying in private schools at senior secondary level in the use of information and communication technology. In the presented research work, 600 students of senior secondary level were selected randomly. A self-made questionnaire was prepared for data collection. Conclusions have been obtained using t-test statistics by formulating null hypotheses to analyze the data. The findings obtained from the research are as follows - A significant difference was found in the problems faced by the students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology. No significant difference was found in the problems faced by students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology. Information and Communication Technology of Commerce Faculty students studying in private schools at senior secondary level

Keywords- Senior secondary level, Faculty of Commerce, Information and Communication Technology, Problem

Introduction

Information communication technology is the technology that provides complete knowledge about any event or incident happening anywhere in the world to any person. This technology has accelerated the pace of development process of education in the society and has given a new direction to teaching in educational institutions. Information and Communication Technology is not only improving the quality of education, but is also ensuring availability of best educational material for classrooms and is also improving the field of adult

education. Due to its presence on the web server all the time, no school or student will be deprived of the benefits of education through the internet.

With the world entering the era of information and communication technology, information and communication technology is omnipresent today. Be it developed or developing country, North or South, East or West, information communication technology is omnipresent. It has helped directly and indirectly in every sphere of life.

The need for information communication technology cannot be denied in educational, cultural, agricultural, scientific and technical departments. The need for information is increasing day by day and today every person wants to be information oriented.

The development of information and communication technologies has led to the expansion of new low-cost approaches to meet the expanding demand for education to children, youth and those seeking continuing education, so that changing professions and lifelong education can continue. There is a general consensus among social, scientific and business planners that information communication technology will have a wide scope in the near future and it can provide many opportunities in almost all walks of life.

Rationale of the problem-

Educational technology has always been an important and progressive area of education. On one hand, education brings behavioral change in humans as well as develops their thinking and understanding, while at the same time; the use of technology makes education simple, sensitive and interesting. The importance of educational technology increases further for child-centric education, because through various techniques of educational technology and information technology, the child himself can create knowledge according to his interest, time, convenience and ability. The researcher was curious to know what problems the students of commerce faculty at senior secondary level face in the use of information and technology? Therefore, to find the answer to this question, the researcher has chosen the subject of his research as “Comparative study of the problems faced by the students of senior secondary level commerce faculty in the use of information and communication technology”, which is justified at present.

Statement of the Problem

Comparative study of the problems faced by the students of commerce faculty at senior secondary level in the use of information and communication technology

Research Objectives

- To compare the problems faced by the students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology.
- To compare the problems faced by the students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology.
- To compare the problems faced by the students of commerce faculty studying in private schools at senior secondary level in the use of information and communication technology.

Research hypotheses

- 1 There is no significant difference in the problems faced by the students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology.
- 2 There is no significant difference in the problems faced by the students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology.
- 3 There is no significant difference in the problems faced by the students of commerce faculty studying in private schools at senior secondary level in the use of information and communication technology.

Definition of technical terms

- **Senior secondary Level-** By senior secondary level the researcher means classes 11th and 12th.
- **Faculty of Commerce** – The subject selected at the senior secondary level in which commerce activities like business, banking, account operation etc. are studied is called Faculty of Commerce.
- **Student** - Student means a student studying in class 11th and 12th.
- **Information and Communication Technology-** Information and communication technology is a very broad field. It is very difficult to contain this. Therefore, by information and communication technology the researcher means the use of those technical tools which are used by teachers and students in the teaching and learning process to achieve educational objectives. Such as Computer, Internet, Web Conferencing, Microsoft Teams, Byju's Classes, Google Class Room, Google Meet, YouTube, Unacademy, Zoom Classes, WhatsApp Group, Facebook Page etc.

Delimitation of the Study

- The presented research is limited to Kota district.

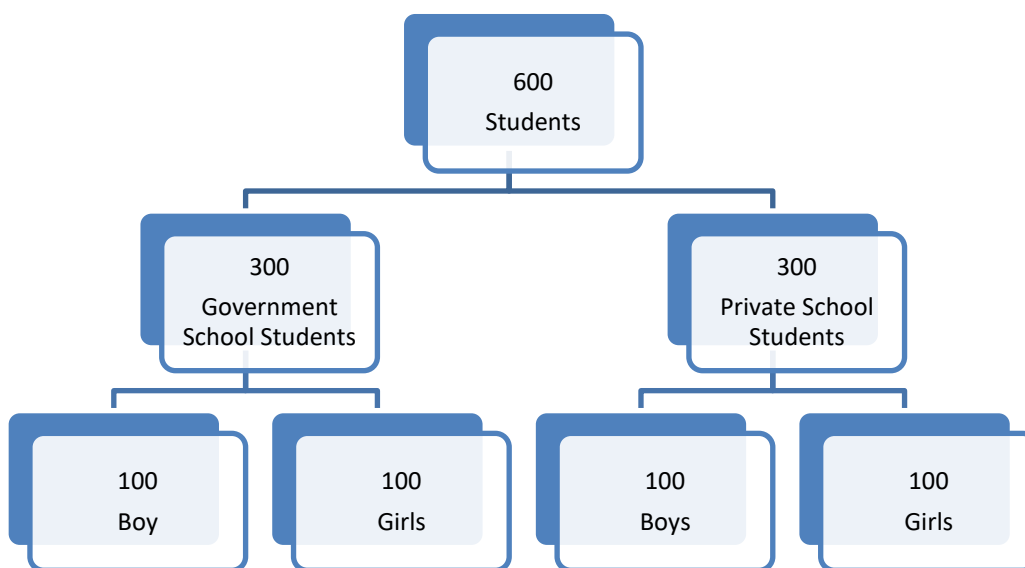
- In the presented research work, students studying at senior secondary level of Board of Secondary Education Rajasthan have been taken.
- Only students of Commerce Faculty have been taken in the presented research work.
- The presented research work is limited to the study of the problems faced by teachers and students in the use of information and communication technology.
- In the presented research work, only students from government and private schools have been taken.

Research method

Survey method has been used to complete the presented research work.

Population and sample

In the present study, students of class 11 and 12 government and private schools of Kota district have been selected as the population. The model of the presented study is as follows-



Research tools

Due to non-availability of standardized equipment for the present research, the researcher has used self-made equipment which is as follows- Self-made scale measuring the problems faced by students in using information and communication technology.

Statistics

In the presented research study, the following statistical methods have been used to know the results-

- Mean
- Standard Deviation
- t-test

Analysis and interpretation of data

Hypothesis-1 There is no significant difference in the problems faced by the students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology.

Table No.1

Group	N	M	SD	t-value	Significance level (value)	Result
Government school students	150	167.03	31.34	3.17	0.05 (1.96)	Rejected
Private school students	450	176.44	31.84		0.01 (2.58)	

(df = N₁+N₂-2) = 150+450-2 = 598

In Table No. 1, data related to the problems faced by the students of commerce faculty studying in senior secondary level government and private schools in the use of information communication technology is given. From the observation of the table, it is known that the t-value on degrees of freedom at 598 is received 3.17.

This is more than the table t-value significant at 0.05 and 0.01 levels. Therefore the hypothesis is rejected at both levels.

Hypothesis-2 There is no significant difference in the problems faced by the students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology.

Table No. 2

Group	N	M	SD	t-value	Significance level (value) 0.05/0.01	Result
Government school boys	70	171.64	33.33	1.68	0.05 (1.98)	Accepted
Government school girls	80	163.00	29.11		0.01 (2.61)	

$$(df = N_1 + N_2 - 2) = 70 + 80 - 2 = 148$$

In Table No. 2, data related to the problems faced by the students of commerce faculty studying in government schools at senior secondary level in the use of information communication technology is given. From the observation of the table, it is known that the t-value on the degrees of freedom at 148 is received 1.68. This is less than the table t-value significant at 0.05 and 0.01 levels. Therefore the hypothesis is accepted at both levels.

Hypothesis-3 There is no significant difference in the problems faced by the students of commerce faculty studying in private schools at senior secondary level in the use of information and communication technology.

Table No. 3

Group	N	M	SD	t-value	Significance level (value) 0.05/0.01	Result
Private school boys	230	182.23	35.96	4.04	0.05 (1.96)	Rejected
Private school girls	220	170.40	25.58		0.01 (2.59)	

$$(df = N_1 + N_2 - 2) = 230 + 220 - 2 = 448$$

In Table No. 3, data related to the problems faced by the students of Commerce Faculty studying in senior secondary level private schools in the use of information communication technology are given. From the observation of the table, it is known that the degrees of freedom are t-value at 448 is received 4.04. This is more than the table t-value significant at 0.05 and 0.01 levels. Therefore the hypothesis is rejected at both levels.

Conclusions obtained from research

- A significant difference was found in the problems faced by students of commerce faculty studying in government and private schools at senior secondary level in the use of information and communication technology. The difference in problems was found to be due to the students of government schools having less facilities as compared to the students of private schools.
- No significant difference was found in the problems faced by students of commerce faculty studying in government schools at senior secondary level in the use of information and communication technology. Due to availability of similar facilities and environment to the students studying in government schools, no difference in problems was found.
- A significant difference was found in the problems faced by students of commerce faculty studying in private schools at senior secondary level in the use of information and communication technology. Difference in problems was found due to less facility available to girl students of private schools as compared to male students.

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