

## **USE OF COMPUTER IN SCHOOL BY TEACHERS' OF SENIOR SECONDARY SCHOOLS**

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### **ABSTRACT**

The present study attempts to find out the status of use of computer in school by teachers in senior secondary school. Seventy Two teachers were selected from six schools randomly. The results reveal that in all schools computers were available for students, teachers, library and also for administrative staff but only one computer is available to five to six teachers. It was found that most of the teachers considered themselves competent enough to use computer. The results reveal that majority of teachers spend four to eight hours on computers per week. It was found that majority of teachers did not get any computer training and they didn't receive any incentives to learn computer. The teachers felt that the use of computer is partially integrated in the studies of their institution.

**Keyword:** Computer, lifelong skills, incentives, Training

### **INTRODUCTION**

Computers play a significant role in all aspects of modern life. The presence of computer cannot be ignored in any field of life. For the best use of computer everywhere, it is necessary that people must have proper knowledge of uses of computer and its advantages to them. It is a powerful tool to representing and solving complex problems. In technological environment teachers' and students' can learn valuable lifelong skills such as self assessment, working in a team, peer assessment, extends ideas and information through searching and interacting electronically with others etc. Schools are supposed to prepare students for better life and should encourage teachers to make use of computers.

### **JUSTIFICATION OF THE STUDY**

It was found that only using text books and giving lectures by teachers are not enough to clarify the subject matter to the students. Hence teachers' need some effective devices and instructional techniques to carry out their teaching tasks successful and effective. Many efforts at present are invested in providing computers, training teachers and producing software. Few research studies have been conceived to investigate on actual use of computers or its effect in teaching learning process. The investigators are interested to determine the status of use of computer in senior secondary schools by teachers, that's why the investigators choose this study.

## OBJECTIVES

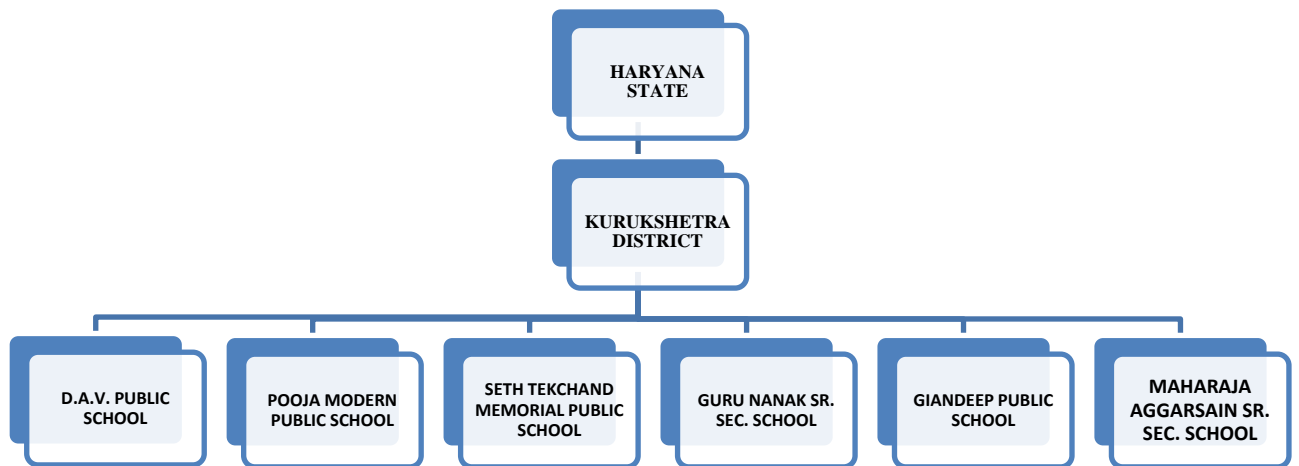
1. To study the availability and use of computers in schools.
2. To study the competency of teachers in the field of computer.
3. To study the support provided to teachers regarding the use of computer by the school.
4. To study the use of computer integration into the studies

## DELIMITATIONS OF THE STUDY

1. The study is confined only to Haryana state.
2. The study is confined only the six schools of Kurukshetra district.
3. The study is confined only to the senior secondary schools
4. The study is confined only to the schools which are affiliated by C.B.S.E.
5. The study is confined only to the Seventy Two teachers.

## POPULATION AND SAMPLE

Senior secondary school teachers of Kurukshetra district constitute the population of the present study. In order to achieve the objectives of the present study, six schools were selected. Out of these six selected schools seventy two teachers (12 from each school) were selected randomly.



## TOOL USED

1. A questionnaire developed by Nishant Yadav (2007).
2. Personal data sheet.

## RESEARCH METHOD

Keeping in view the nature and purpose of the study the investigators selected survey method for data collection.

## STATISTICAL TECHNIQUES USED

In order to determine the status of the use of computer by teachers in senior secondary schools, the frequency of respondent and percentages were calculated for different items.

## ANALYSIS AND INTERPRETATION

**Table-1**  
**RESPONSES OF TEACHERS REGARDING THE USE OF COMPUTER IN SENIOR SECONDARY SCHOOLS**

Sr. No.	School Name		D.A.V. PUBLIC SCHOOL	POOJA MODERN PUBLIC SCHOOL	SETH TEKCHAND MEMORIAL PUBLIC SCHOOL	GURU NANAK SR. SEC. SCHOOL	GIANDEEP PUBLIC SCHOOL	MAHARAJA AGGARSAIN SR. SEC. SCHOOL	Respo ndent	Percenta ge (%)
	Items ↓		N=12	N=12	N=12	N=12	N=12	N=12	N=72	
1	Does your school have availability of Computers and Internet Connection?	Yes	12	12	12	12	12	12	72	100%
		No	0	0	0	0	0	0		0%
1 (i)	No. of teachers in your Institute		60	50	48	45	42	60		
1 (ii)	No. of computers in your Institute		45	40	39	36	34	42		
1 (iii)	No. of computers for staff use		10	10	8	9	7	12		
1 (iv)	No. of computers for administrative use		3	3	2	2	2	3		
1 (v)	No. of computers for students use		30	25	27	23	23	25		
1 (vi)	No. of computers for library use		2	2	2	2	2	2		
1 (vii)	Computer - Teacher Ratio		<b>1:6</b>	<b>1:5</b>	<b>1:6</b>	<b>1:5</b>	<b>1:6</b>	<b>1:5</b>		
2	Are you competent enough to use computer?	Yes	12	9	10	8	12	11	62	86.11%
		No	0	0	0	1	0	0	1	1.39%
		Partially	0	3	2	3	0	1	9	12.5%
2(i)	If yes, then tick suitable option	MS-Word	12	12	12	11	12	12	71	98.61%
		MS-Excel	12	10	10	8	12	11	63	87.5%
		MS-Power Point	12	9	10	8	12	11	62	86.11%
		E-mail	12	10	11	10	12	11	66	91.66%
2(ii)	Time spent per week	More than 8 hrs	2	4	5	1	2	2	16	22.22%
		Between 4-8 hrs	8	7	6	8	10	9	48	66.66%

		less than 4 hrs	2	1	1	3	0	1	8	11.11%
3(i)	Do you receive any Computer training?	Yes	7	3	2	4	5	6	27	37.5%
		No	5	9	10	8	7	6	45	62.5%
3(ii)	Do you receive any incentives to learn Computer?	Yes	0	0	0	0	0	0	0	0%
		No	12	12	12	12	12	12	72	100%
4	How well do you feel that use of computer is integrated into the studies?	Well integrated	6	6	4	3	4	5	28	38.9%
		Partially integrated	6	6	8	9	8	7	44	61.1%
		Not integrated	0	0	0	0	0	0	0	0%

### INTERPRETATION

It is evident from the table that all the schools have the availability of computers in their respective schools. Computers are available for students, teachers, and administrative staff and also for library. Table reveals that there is single computer for five to eight teachers. Teachers have to share computer with fellow teachers. It is evident from the table 1 that 86.11% teachers consider themselves competent enough to use computer. 12.5% teachers are partially competent to use computer whereas 1.39% teachers are not competent. 98.61% teachers are competent in using MS-Word. The teachers who can use MS-Excel are 87.5%. The teachers who can use MS-Power point and email are 86.11% and 91.66% respectively. It is also evident from the above table 1 that 66.66%, teachers spent more than 8 hrs per week on computer whereas 22.22% and 11.11% teachers spent 4 to 8 hours and less than 4 hours per week on computer respectively. Only 37.5% teachers are getting computer training while 62.5% teachers are not getting computer training in their schools. Table 1 reveals that not any school give incentives to their teachers to learn computer. 38.9% teachers feel that the use of computer is well integrated whereas 61.1% teachers feel partially integrated into the studies.

### MAIN FINDINGS

#### Findings pertaining to the availability of Computers.

- It was found that all the schools had computers.
- Computers were available for students, teachers and administrative staff and also for library.
- It was found that computer- teacher ratio in the secondary school was very high.
- Only one computer is available for five to six teachers.

#### Findings pertaining to the Teachers' Competency of using computer.

- Majority of teachers consider themselves competent enough to use computer.
- Some teachers are partially competent to use computer whereas only few teachers are not competent in the use of computers.
- Most of the teachers had basic knowledge of computers.
- Majority of teachers spend four to eight hours on computers per week.

**Findings pertaining to the support provided to teachers regarding use of computer by the school.**

- It was found that majority of teachers did not received any training for the use of computer.
- The teachers did not get any incentives to learn computer.

**Findings pertaining to the integration of Computers into the studies.**

- The majority of teachers felt that the use of computer is partially integrated in the studies of their school.

**EDUCATIONAL IMPLICATIONS**

- All schools must have proper computer facility so that all teachers must have sufficient access to computers.
- Seminars and trainings related to computers should be held in the schools to make aware of the use of computer.
- The schools should provide incentives to teachers to learn computers.
- Curriculum in the whole academic activities should be integrated with computer learning.

**SUGGESTIONS FOR FURTHER STUDY**

- A similar study can be conducted to know the status of use of computer at primary school level and/or college and university level.
- A similar study can be conducted to find out the status of computer among teachers of rural and urban areas.
- A study can also be undertaken to examine the attitude of parents towards computer learning.
- Therefore the schools should provide sufficient access to the teachers regarding the use of internet.

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