



VIEWS OF THE SECONDARY SCHOOL ICT TEACHERS TOWARDS USE OF INFORMATION AND TECHNOLOGY AND INTERNET FOR BETTER LEARNING: A SURVEY STUDY

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Abstract

Now a days Information and communication Technologies (ICT) has use everywhere. It has been utilize in all sector and the field of education is no exemption. ICT is a boon to the learners who can enrich themselves according to their interest, attitude, aptitude, pace of learning etc. In the educational institutions, utilization of ICT differs from & institution to institution. Based on this, the opinion of the teacher trainees towards the potential of the ICT differs. The aim of the present investigation was to find out the level of opinion of the teacher trainees towards the utilization of ICT in classroom instructions and learning in Teacher Training Institutes opinion scale was administered on 100 teacher trainees studying in two teacher training institutes. The collected data was put and statistical analysis like Mean, SD and 'T' test. Which have revealed the varied results.



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Introduction

In today's world, ICT is a backbone of learner. Most of the things we use incorporate ICT. What is ICT? simply put, it stands for information and communication Technologies. It can be defined as "anything which allows us to get information, to communicate with each other, or to have an effect on the environment using electronic or digital equipment." Today ICT and "e-learning" have become important concepts in primary, secondary and tertiary education. In the context of education ICT could include different types of hardware and software. ICT includes computers, digital cameras and digital video cameras; Creativity and communication software and tools; the internet, telephones, fax machines, mobile telephones, tape recorder, interactive stories, simulated environments, and computer games, programmable toys and "Control" technologies, video conferencing technologies and closed circuit television, data projects, electronic white boards and more. ICT goat developed as a

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new subject in the field of education for the last few years. Computer plays a key role in education. Learning through computer is an interesting affair students are getting novel experiences from this technology. Nowadays computer education has become the essential part of education system. It has been introduced at each level of schooling of course, the main objective of computer education in the initial school stage is basic computer literacy. Computer is no longer restricted to science and engineering fields ;it has become the right hand of each modern citizen, who needs basic computer literacy. Internet is a network of many computers to which every network is connected with a modem which can exchange data and information with another network. These modems are under the control of internet service provider. Information available on the web can be accessed, read, downloaded and printed by computers connected to the internet.

Need for the study -

The teaching - learning process has been greatly influenced by rapid advances in ICT as well as internet awareness. This is an important and essential method for achieving sustainability. ICT will help in enabling better and increased access to information. ICT is likely to bring about substantial changes in the society. The development in the application and dissemination of knowledge and information through technology has been changing the demands in education. As the investigators wanted to find out the Opinion towards information and communication technologies among secondary teachers.

Objectives :

The main objectives are the following -

- 1) To measure the level of opinion towards ICT among the secondary school teacher.
- 2) To measure the level of opinion towards Internet awareness among the secondary school teacher.
- 3) To find out the significant difference between the mean values of level of opinion towards ICT among male teachers and female teachers.
- 4) To find out the significant difference between the mean values of level of opinion towards Internet awareness among male teachers and female teachers.

Tool Used -

Investigators constructed a tool on the opinion towards ICT and Internet awareness among secondary teachers consisting of 30 items with four point scale such as strongly Agree, Agree, Disagree and strongly disagree.

Sample -

Investigators randomly selected 50 secondary school teachers from Pimpri area.

Nature of the Study -

It is a survey Research, as the investigators aimed to study views of the secondary school teachers towards ICT and Internet awareness.

Data Analysis -

Different statistical techniques such as mean, standard Deviation (SD) and 't' test were used to analyze the data. The following table shows the mean and SD of girls and boys and science and Arts group Teacher Trainees on the level of opinion towards ICT and Internet awareness.

Table - 1 Mean and SD of the school teacher ICT.

Sr. N.	Components	N	Mean%	SD
1	Total	50	88.33	7.48
2	Gender			
	Male	12	89.06	7.45
	Female	38	86.11	9.45

From table 1 it is revealed that the average Mean score of the opinion towards ICT score was 88.83 which shows the total as well as components such as gender, group have positive opinion of ICT among Secondary school teacher. Moreover the minimum score is 89.06 and the maximum score is 86.11. This reveals the positive opinion of ICT among Secondary school teachers.

Table - 2 Mean and SD of the male and Female school teachers.

Sr. No.	Dimension	Gender	Mean	SD	T test	Remark
1	Total	Male	89.06	7.75	1.71	N.S
		Female	86.11	9.45		
2	Computer	Male	31.86	2.74	1.02	N.S
		Female	31.30	2.69		
3	Power Point Presentation	Male	29.08	3.18	3.05	S
		Female	31.00	3.19		
4	Internet	Male	28.88	3.64	0.09	N.S
		Female	28.94	2.71		

Note:- N.S. = No Significance , S = Significance

Table 2 shows that there is no significant difference at 5% level in the Mean scores among the male and female school teachers on the level of opinion towards ICT in secondary school teachers with Various dimensions such as computer, Power-Point Presentation and Internet. In the power point Presentation female school teachers have significant higher Mean score of opinion towards ICT Hence except power point presentation the stated Null Hypothesis that there is no significant difference between Mean scores of the opinion towards ICT among the male and female school teachers is accepted.

Findings -

1. Significant Positive opinion was observed among the secondary school teachers towards ICT with various dimensions such as Computer, PowerPoint Presentation and Internet.
2. Significant Positive opinion was observed among the secondary school teachers towards Significant Positive opinion was observed among the secondary school teachers towards ICT with various dimensions such as Computer, PowerPoint Presentation and Internet.
with various dimensions such as history, types, usage and practice.
3. Female teachers show high positive significant difference in the PowerPoint Presentation of Opinion towards ICT than their counterparts.
4. Female teachers show high positive significant difference in the usage towards Internet awareness than their counterparts.

Educational Implications:-

- 1) The result of the study shows that the opinion of the secondary school teachers towards ICT and Internet awareness is high in general. Hence the usages of ICT must be increased to develop their practical knowledge of computer, PowerPoint Presentation and Internet.
- 2) All secondary schools must be heightened in such a way that theory and practical aspect of ICT Programmes and Internet awareness of high quality are provided.
- 3) More Information Technologies are to be incorporated in Teaching Learning strategies and Teacher Training strategies.
- 4) The Teacher educators in teacher Training Institutes are to be well trained in all ICT and other Instructional strategies.

- 5) Proper orientation and refresher training must be provided periodically to provided up – to- date information in Teacher Education.
- 6) The government must ensure proper training to maintain all the modern instruments of educational Technology. By implementing all the above suggestion, certainly the quality of education will be improved into new era of ICT.

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