



A study on ICT awareness among B.Ed Trainees of College of Teacher Education in Unakoti district of Tripura

Sambhu Debbarma
Assistant Professor
College of Teacher Education
Dept. of Education
Unakoti district of Tripura (India)

Abstract: *Information and Communication Technology (ICT) has become an integral part of teaching learning process. The present study intends to specify, the awareness of B.Ed trainees towards Information and Communication Technology (ICT) in College of Teacher Education in Unakoti district of Tripura. In this study the researcher is curious to know the awareness of ICT of B. Ed trainees. The investigator has selected 100 samples and adopted descriptive survey method in carrying out this research. So the study aims at transforming students-teacher in equipping them with the proper knowledge of ICT in making teaching- learning process more effective inside the classroom.*

Keys word: *ICT awareness, Education, Teaching and learning, Teacher education*

I. INTRODUCTION

In this global era of 21st century ICT become a very crucial part of our life. It provides powerful enabling tools for educational change and reform. ICT helps in expanding access to education, strengthening the relevance of education for increasing digital work place and leading to quality education among the teacher educators and teacher-trainees. In this world of technology the new innovative methods like information and communication technology plays a pivotal role in teaching learning process. The new pedagogy adopted in the field of education will help the trainees in various ways of addressing their lesson to the students. So the knowledge of ICT will enable and equipped the B. Ed trainees and establish confident with using a computer. This awareness will help the institution in enhancing their knowledge and skills in using ICT. Hence, in this study the investigator tries to investigate the awareness of B. Ed trainees towards the use of computer.

II. SIGNIFICANCE OF ICT IN EDUCATION

- ❖ **Provides latest information:** Information and communication Technology is very useful in providing current and latest information. It updates the knowledge of an individual through news, sports, education, weather forecasting etc
- ❖ **ICT helps to prepare individuals for the workplace:** ICT helps the classroom to better prepare the current generation of students for a workplace like literacy or the ability to use ICTs effectively and efficiently.
- ❖ **Access to variety of learning resources:** ICT helps to enhance the teaching skills and learning ability. With the help of ICT now it is easy to provide audio visual education. The learning resources are being widens and widen. Now with this vivid and vast technique as part of the IT curriculum, learners are encouraged to regard computers as tools to be used in all aspects of their studies.
- ❖ **Collaborative learning:** Now ICT has made it easy to study as well as teach in groups or in clusters. With online we can be united together to do the desired task. Efficient postal systems, the telephone (fixed and mobile), and various recording and playback systems based on computer technology all have a part to play in educational broadcasting in the new millennium.
- ❖ **Multimedia approach to education:** Audio-Visual Education, planning, preparation, and use of devices and materials that involve sight, sound, or both, for educational purposes. Among the devices used are still and motion pictures, filmstrips, television, transparencies, audiotapes, records, teaching machines, computers, and videodiscs. The growth of audio-visual education has reflected developments in both technology and learning theory.
- ❖ **Authentic and up to date information:** The information and data which are available on the net is purely correct and up to date. Internet, a collection of computer networks that operate to common standards and enable the computers and the programs they run to communicate directly provides true and correct information.
- ❖ **Online library:** Internets support thousands of different kinds of operational and experimental services one of which is online library. We can get plenty of data on this online library. As part of the ICT curriculum; learners are encouraged to regard computers as tools to be used in all aspects of their studies. In particular, they need to make use of the new multimedia technologies to communicate ideas, describe projects, and order information in their work.
- ❖ **Distance learning:** Distance Learning, method of learning at a distance rather than in a classroom. Late 20th-century communications technologies, in their most recent phases multimedia and interactive, open up new possibilities, both



individual and institutional, for an unprecedented expansion of home-based learning like home study, independent study, external study etc

III. OBJECTIVES

The following objectives are as mention below:

1. To find out the level of the awareness of computer between Arts, Commence and Science B.Ed trainees of College of Teacher Education in Tripura
2. To study the significant differences of the awareness of computer among SC, ST and General B.Ed trainees of College of Teacher Education in Tripura.

IV. DELIMITATION OF THE STUDY

The study here is confined of only B.Ed Trainees of College of Teacher Education, Unakoti district of Tripura.

V. REVIEW OF RELATED LITERATURE

Selvam .M. conducted a study on "Attitude of matriculation teachers towards educational technology – an investigation" with 79 teachers selected from the matriculation schools located in Erode as sample concluded that there is no significant difference in the mean attitude scores of matriculation teachers towards Educational Technology between the sub-variables like gender, age, religion and marital status.

Angel Rathnabai, conducted study on "Infusing ICT in teaching learning process: A Reflection" places namely Mysore, Pondicherry and Tumkur. It was hypothesized that CAI approach would be effective than traditional approach on acquisition and retention of knowledge and it would be an effective reinforcement tool. The students undergoing the CAI approach has found to score more in knowledge acquisition test and in the test conducted after reinforcement than the students undergoing traditional approach. The mean scores reveal that the students under CAI approach has scored more than the students under traditional approach in the delayed test conducted after a month. Thus infusing ICT in teaching learning process enhances the teaching and learning which in turn provides the quality education.

Priya, a study on "An analysis of web usage among teacher educators and student teachers" reported that WWW is considered as an important learning environment among the Student Teachers and Teacher Educators. The Student teachers access the Web more than the Teacher Educators. It shows that the internet has not penetrated fully in every sphere of life, particularly in the academia.

Jasmine kumar and et al, conducted study on "professional competency of teachers and teacher educators in relation to their ICT usage" with the sample of 30 teacher educators and 50 teacher from Government, Government Aided and Aided Minority institution in Chennai city, Tamilnadu. Reported that professional competency and ICT usage are significantly related.

VI. DESIGN OF THE STUDY

The designs of the study are as follows:

Sample: The present study was conducted on a sample of 100 students taken from College of Teacher Education in Unakoti district of Tripura. The simple random sampling method has been used to collect the sample.

Tools: Questionnaires and Interview were the tools used in carrying out the present study.

Methodology: Descriptive survey method was used to collect the data from B.Ed Trainees of Unakoti district of Tripura.

Statistical Technique: Pie chat, percentage & bar diagram are used to interpret and analyse the data.

VII. ANALYSIS & INTERPRETATION

Table-1
Stream-wise distribution of sample

Stream	Male	Female	Total
Arts	30	40	70
Commerce	06	04	10
Science	10	10	20
Total	46	54	100

Figure-1
Stream-wise distribution of sample

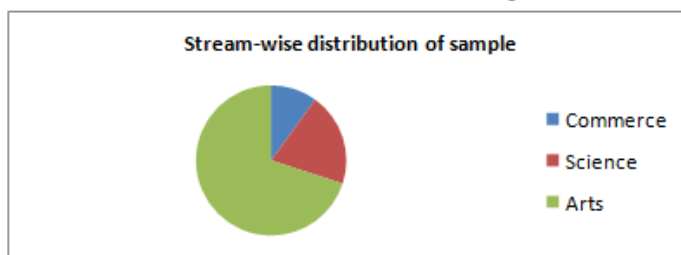


Table-1 & Figure-1 The above table and figure indicates that 100 samples were distributed stream-wise comprising of science, commerce and Arts. The investigator has chosen 10 trainees from commerce, 20 trainees from science and 70 trainees from Arts respectively. So the investigator has distributed the sample on the basis of the total seats allotted for B.Ed course in College of Teacher Education.

Table-2

Significant differences between SC, ST, PH, GEN B.Ed trainees in the awareness of ICT and its dimensions

Dimensions	Category	Percentage wise distribution of trainees	Trainees aware of ICT	Total %
Internet awareness	SC	17%	17	100%
	ST	31%	31	100%
	PH	02%	01	50%
	GENERAL	50%	50	100%
	Total =	100%	99	99%
E-mail awareness	SC	17%	16	94.11%
	ST	31%	30	96.77%
	PH	02%	0	0%
	GENERAL	50%	50	100%
	Total =	100%	96	96%
Computer virus awareness	SC	17%	16	94.11
	ST	31%	30	96.77
	PH	02%	01	50%
	GENERAL	50%	50	100%
	Total =	100%	97	97%
Hardware & software awareness	SC	17%	14	82.35%
	ST	31%	28	90.32
	PH	02%	0	0%
	GENERAL	50%	48	96%
	Total =	100%	90	90%

Figure-2

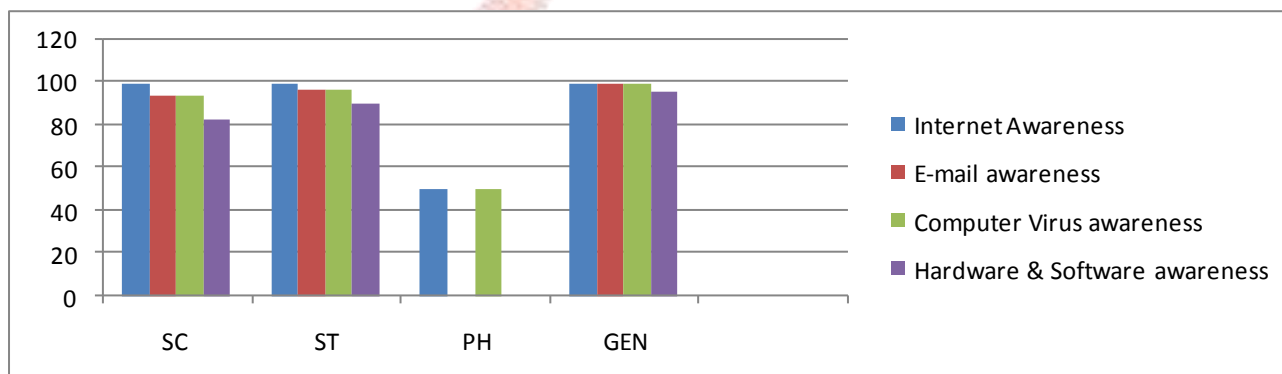




Table 2 & Figure-2 The above table and figure clearly indicates that the awareness of ICT is more among the General trainees as compare to ST, SC and PH trainees and likewise it reveals that out of total 50% General trainees 99% are aware of ICT and out of 17% SC trainees 92.64 are aware of ICT and out of 31% ST trainees 95.96 are aware of ICT and out of 2% PH trainees only 25 % trainees are aware of ICT.

VIII. FINDINGS OF THE STUDY

- ❖ General B.Ed trainees possess significantly higher awareness on the use of ICT in education
- ❖ Physically handicapped (PH) trainees are less aware of ICT as compare to General, SC and ST trainees.
- ❖ Schedule Caste and Schedule Tribe have normal awareness on the use of ICT in education.

IX. CONCLUSION

In the above study the investigator makes an attempt to investigate the awareness of ICT among B.Ed Trainees of College of Teacher Education. The present study also reveals that the Teacher educators should take more initiative for the weaker trainees to move forward towards the enrichment of knowledge in ICT among them by motivating and encouraging them for their future scope towards the awareness of ICT in teaching learning process and else for using in our day today life.

X. RECOMMENDATIONS

- Special coaching should be provided to the PH B.Ed. trainees regarding the awareness of ICT.
- Adequate infrastructure facilities should be created in B.Ed. colleges to strengthen the ICT literacy of the B.Ed. Trainees.
- Provision should be given to the B.Ed. Trainees in accessing the resources such as Internet, Skype, E-mail and video conferencing in education.
- Teacher trainees should be encouraged to become more digitally fluent rather than digitally literate.

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