

An Analytical Study of B.Ed. Student's Attitude with Computer Education

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Abstract - As a teacher plays very prominent role in moulding up tomorrow's citizen, the teachers should possess training in using the most modern technologies in the field of education. So the attitude of teacher trainees is very important as it is a tendency which helps them to be favourable or unfavourable towards the usage of most modern technology in the field of education in future when they go for teaching. So it is better as the government has introduced ICT in the syllabus of teacher trainees and has provided opportunity for the teacher trainees to develop power point presentations in the subject which may encourage them to prepare lessons based on multimedia techniques. The introduction of ICT in education will encourage and motivate the students to explore new areas of advancement with reference to its latest developments in various subjects.

Keyword: Analytical Study, B.Ed. Student's, Computer Education, etc.

❖ Introduction

The main aim of education is to develop harmonious personality of learner. Education should make pupils fit to live with. In all modern human societies the young one are prepared for their future roles through educational process which may be in the form of examination. Schools are always transitional institutions. They prepare pupils for education or for occupation or for family life and so on.

In the present digital era, the development in various aspects of computer technology has reached beyond our imagination and expectations. Even though computer has a lot of applications in various fields, one should not forget its applications in the field of education. It is very useful and helpful in the teaching and learning process. Therefore, computer literacy is very much needed for teachers as well as learners. The computers have created a revolution in the content of education and in the nature of learning process. They have the capability of multiplying the human intellect beyond part conceptions and have tremendous implications for education. They have a great impact upon our educational system. The teachers should be in tune with the physical reality of the computers, and learn how to take actual advantage of the machines' educational potential. For this, computer knowledge is essential for teachers.

❖ The Nature of ICTs

Human Endeavour is closely associated with the ability to communicate and create new knowledge. There is strong evidence that human beings have a basic need for information and to communicate with each other. Information and Communication Technologies (ICTs) create new possibilities for communicating information and have the potential to add significantly to the human capacity for creating new knowledge.

❖ What are ICTs?

Human communication has been very radically affected by technological changes over many centuries beginning with the creation of writing systems, followed by innovations in transportation and the invention of printing in the 16th century.

ICTs represent an amalgam of innovations that have significantly reduced the cost of communicating at a distance as well as all the activities that are involved in handling information:

- » Information and Communication Technology (ICT) includes a range of technologies.
- » Used to support communication and information. ICT covers the areas of both networks and applications.
- » Networks include fixed, wireless and satellite telecommunications networks, broadcasting networks. Although the area is much broader, well-known applications are the Internet, Geographic Information Systems, Database Management Systems, Multi-media tools, etc.
- » Advances in ICTs that have occurred more recently are proving particularly revolutionary. ICTs are the result of a merger between:
- » The importance of the following aspects of training future teachers to use ICT:
- » The modelling of ICT use by ITE tutors and teachers observed during school placements;
- » Opportunities at university to use ICT in their own learning and to practice the use of ICT in teaching;
- » The existence of a community of users (mentors, other students, teachers in school) that can offer support and guidance if needed;

- » The provision of a compulsory element within the ITE programme to promote use among reticent students;
- » The provision of ideas and practical activities, with direct relevance for the teaching of subjects.

❖ Need of the Problem

In order to enhance the learning process, improve performance, reduce computer resistance and ensure job satisfaction, computer attitude should be improved and computer anxiety minimized. Several instruments develop abroad for measuring these constructs is available in the literature, but not all of them are necessarily applicable to India condition. Having in mind a increasing interest in the studying students attitude towards computer and the lack of an appropriate assessing these.

The main purpose of this study was to investigate the competence and attitude of student teachers towards information and communication technology. Specifically, the present study examined:

- » The attitude of student-teachers towards the use of computer.
- » The competence of student-teachers in the use of computer.
- » The influence of gender on student teachers' competence and attitude towards computer.

The millions and millions of learners who cannot afford to join schools and colleges for continuing their formal education. Through educational technology, we can give them the best possible instruction while they stay at home.

For transmitting better ideas and developing accurate thinking, technological aids are the only means. They impart the fast increasing knowledge in various disciplines in a short period with best retention.

❖ Significance of the study

As a teacher plays very prominent role in moulding up tomorrow's citizen, the teachers should possess training in using the most modern technologies in the field of education. So the attitude of teacher trainees is very important as it is a tendency which helps them to be favourable or unfavourable towards the usage of most modern technology in the field of education in future when they go for teaching. So it is better as the government has introduced ICT in the syllabus of teacher trainees and has provided opportunity for the teacher trainees to develop power point presentations in the subject which may encourage them to prepare lessons based on multimedia techniques. The

introduction of ICT in education will encourage and motivate the students to explore new areas of advancement with reference to its latest developments in various subjects.

❖ Statement of the Problem

"Study of B.Ed. Trainee Teachers' Attitude towards Computer".

The several studies have been conducted but one aspect of B.Ed. Trainee Teachers and their Training Programme no study has been undertaken to investigate the attitude of B.Ed. Trainee Teachers Teaching towards Computer. The study also compensate between Urdu, English and Marathi Medium B.Ed. Trainee Teachers.

❖ Operational Definition

1. Attitude:-An attitude is a hypothetical construct that represents an individual's degree of like or dislike for an item.
2. B.Ed.:-Two year teacher education degree for secondary school.
3. Trainee Teachers:-They are individuals who are in the process of obtaining a Bachelor's degree for qualifying themselves to teach in secondary or high school.

"A pupil teacher who is pursuing teacher education training."

4. Attitude towards Computer:- It is referred as the tendency to react favourable/ Positive or unfavourable /negative towards computer. Which is an electronic device which can perform arithmetic as well as logical operation?

❖ Assumptions

The pupil teachers of B.Ed. are more enthusiastic towards the teaching profession and they take more efforts to complete their course work.

The B.Ed. Trained teachers are more skilled, competitive and committed towards profession then untrained teachers.

❖ Objective of the Problem

- » To study the attitude B.Ed. Trainee Teachers towards Computer.
- » To study the attitude of Male B.Ed. Trainee Teachers towards Computer.
- » To study the attitude of Female B.Ed. Trainee Teachers towards Computer.

- » To compare the attitude of Male & Female B.Ed. Trainee Teachers towards Computer.
- » To study the attitude of Urdu Medium B.Ed. Trainee Teachers towards Computer.
- » To study the attitude of English Medium B.Ed. Trainee Teachers towards Computer.
- » To study the attitude of Marathi Medium B.Ed. Trainee Teachers towards Computer.
- » To compare the attitude of Urdu, Marathi and English Medium B.Ed. Trainee Teachers towards Computer.

❖ Hypothesis

- » There is no significance difference between the attitude of male and female B.Ed. Trainee Teacher towards computer.
- » There is no significance difference between the attitude of Urdu and English B.Ed. Trainee Teacher towards computer.
- » There is no significance difference between the attitude of English and Marathi B.Ed. Trainee Teacher towards computer
- » There is no significance difference between the attitude of Urdu and Marathi B.Ed. Trainee Teacher towards computer.

❖ Variables of Research

- 1) Urdu, English and Marathi Medium B.Ed. Trainee Teachers
- 2) Attitude Towards computer

❖ Scope of Research

- Area: The present study related to Aurangabad City.
- Content: Present study related to B.Ed. Trainee Teachers attitude towards computer.
- Unit: Present Study is related with 300 B.Ed. Trainee Teachers.

❖ Limitation of the Research

- » The Study will be delimited to study of computer attitude only.
- » The study will be delimited to with the B.Ed. Trainee Teachers population.
- » The study will be delimited to Urdu, English, and Marathi Medium B.Ed. Trainee Teachers.
- » The study will be delimited to academic year 2013-2014.
- » The study will be delimited to Aurangabad City.

❖ Major Findings

- » The mean scores of Attitude Towards Computer B.Ed. Trainee Teachers of Aurangabad City is 68.9, which shows a Positive Attitude as per the norm table. Hence the Hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. Male Trainee Teachers is 68.9 and Female B.Ed. Trainee Teachers is 67.63 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. Urdu Medium Trainee Teachers is 69.6 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. English Medium Trainee Teachers is 67.9 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. Marathi Medium Trainee Teachers is 69.1 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. Urdu Medium Trainee Teachers is 69.6 and English Medium B.Ed. Trainee Teachers is 67.9 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. Urdu Medium Trainee Teachers is 69.6 and Marathi Medium B.Ed. Trainee Teachers is 69.1 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.
- » The mean scores of Attitude Towards Computer B.Ed. English Medium Trainee Teachers is 67.9 and Marathi Medium B.Ed. Trainee Teachers is 69.1 of Aurangabad City, which shows a positive attitude as per the norm table. Hence the hypothesis is accepted.

❖ Testing of Hypothesis

H1:-

There is no significance difference between the attitude of male and female B.Ed. Trainee Teachers towards computer.

The Male and Female Attitude of B.Ed. Trainee Teachers towards computer is (M) = 68.9, (SD) = 8.5 and (M) = 67.63, (SD) = 7.69 respectively.

The obtained CR value of the attitude of Male & Female B.Ed. Trainee Teachers Toward Computer is 1.35 which is less than the table value 1.97 at 0.05 level of significance. Hence the hypothesis is accepted.

H2:-

There is no significance difference between the attitude of Urdu and English B.Ed. Trainee Teacher towards computer.

The Urdu and English Medium Attitude of B.Ed. Trainee Teachers towards computer is (M) = 69.6, (SD) = 8.65 and (M) = 67.9, (SD) = 6.81 respectively.

The obtained CR value of the attitude of Urdu & English Medium B.Ed. Trainee Teachers Toward Computer is 1.54 which is less than the table value 1.97 at 0.05 level of significance. Hence the hypothesis is accepted.

H3:-

There is no significance difference between the attitude of Urdu and Marathi B.Ed. Trainee Teacher towards computer.

The Urdu and Marathi Medium Attitude of B.Ed. Trainee Teachers towards computer is (M) = 69.6, (SD) = 8.65 and (M) = 69.1, (SD) = 8.99 respectively.

The obtained CR value of the attitude of Urdu & Marathi Medium B.Ed. Trainee Teachers Toward Computer is 0.40 which is less than the table value 1.97 at 0.05 level of significance. Hence the hypothesis is accepted.

H4:-

There is no significance difference between the attitude of English and Marathi B.Ed. Trainee Teacher towards computer

The English and Marathi Medium Attitude of B.Ed. Trainee Teachers towards computer is (M) = 67.9, (SD) = 6.81 and (M) = 69.1, (SD) = 8.99 respectively.

The obtained CR value of the attitude of English & Marathi Medium B.Ed. Trainee Teachers toward Computer is 1.06 which is less than the table value 1.97 at 0.05 level of significance. Hence the hypothesis is accepted.

❖ Suggestions

- The effective learning environment with the necessary technology support should be intended and designed.
- On the basis of above conclusions it is suggested that teacher educators, administrators and principals should make efforts to provide computer and internet facility to student teachers in proximity.

- Develop right perspectives and attitude towards existed and emerging technologies for integrating them into teacher education.
- Communities of teacher educators' collaborative groups should be formed to integrate ICT into their curriculum (same subjects, different subjects, same college, different college)
- Action research trying out various models of technology integration and publishing the result of the same.

❖ Avenues for Further Research

Similar type of study can be further done on any variables of the present research problem.

- » Study of B.Ed. Trainee Teachers Attitude towards Computer Aurangabad City.
- » Comparative study of B.Ed. and B.Ed. Trainee Teachers Attitude towards Computer Aurangabad City.
- » Comparative study of In-Service and Pre-Service Teachers Attitude towards Computer Aurangabad City.
- » Comparative study of attitude towards computer English Medium and Urdu Medium Students of Secondary school of Aurangabad City.

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