STUDENT-TEACHER'S ATTITUDE TOWARDS INFORMATION & COMMUNICATION TECHNOLOGY

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Abstract

The importance of information of communication technology in empowering teacher education, has been highlighted in several studies. This study examined student teacher's attitude towards information & communication technology. Respondents were fifty student teachers. Attitude scale is used to collect data from respondents. The data collected through attitude scale were analysed using percentage . Findings revealed that majority of student teachers have positive attitude towards the use of information communication technology.

Key words: Attitude towards ICT, Student teachers, Teacher education

Introduction

The 21st century is the age of Information & Communication Technology (ICT) . During the last few decades there has been a tremendous growth in the use of ICT which has made a dynamic impact on education. The progress of science & technology had opened a treasury of knowledge . The information & references of knowledge of any topic in the teaching learning process are easily available with the help of ICT . "It is only through education & the integration of ICT in education that one can teach students to be participants in the growth process in this era of rapid change. "

(Jeelani 2011)

The use of ICT as a tool for enhancing student's learning , teachers' instruction , & for improving the access to quality education in formal & non-formal settings has become a necessity. ICT as tools within a school environment include use for school administration & management , teaching & learning of ICT related skills for enhancing the presentation of classroom work , teaching / learning repetitive tasks, thinking & problem solving skills.

Computer based tools used by people to work with information & communication processing needs of an organization . It covers computer hardware & software , the network & other digital devices like video , audio , camera & so on , which convert information into digital form . (Moursund & Bielefeldt , 1999) Successful integration of ICT in the school system depends on the attitude of teachers towards the information & communication technology in teaching & learning . So student teachers need to be confident in using information & communication technology in their teaching .

There is need for teachers to know how ICT tools are used ; therefore teachers must have the right attitude towards technology . (Kadel , 2000) An attitude is an emotional action towards a person or thing . It is a personal response to an object , developed through experience which can be characterized as favourable or unfavourable .The use of ICT as the object or stimulus of these feelings delineates that set of attitudes known as Attitude towards ICT . Attitudes refer to one's positive or negative judgement about a concrete subject.

Need & Importance

Need

Gaining an appreciation of student teacher' attitude towards information & communication technology may provide useful insight into the future of technology integration , acceptance usage in teaching & learning process . Student teachers' to be skilled in the use of ICT as this is an era of technology .

It is necessary to know the attitude of student teachers towards ICT as they are future teachers . They have to use ICT in teaching learning process as it helps the teacher to make the teaching learning process more dynamic . So to give knowledge , to make teaching-learning process interesting , to make class attentive ICT is necessary , teacher's attitude is helpful for it. There positive attitude will help them for it . If there attitude will be negative , then one can make strategies to increase their attitude .

Importance

1. Student teachers themselves will get an idea about their attitude towards ICT . It will help them to make them aware about it.

2. Teacher educators will come to know about student teachers' attitude towards ICT & they will encourage the student teachers' of negative attitude to use ICT & will try to increase attitude.

3. Parents will also come to know about it & will encourage their wards for it.

Statement of the problem

To study the attitude of student – teachers' towards the information communication technology.

Operational definitions

Attitude – Student teachers' judgment about using ICT in teaching-learning process .

Student teachers – Student teachers studying at Tilak College of Education .

ICT – The effective use of technological tools in teaching-learning process .

Objectives of the Study

To study the attitude of student teachers towards ICT .

Scope , Limitations & Delimitations

Scope – This study is related to attitude of student teacher's from Pune corporation area.

This study is related to attitude towards ICT .

Limitations – Conclusions of study depend upon the responses of the student teachers .

There is no control on their mental , emotional conditions .

Delimitations – The study is delimited to 50 student teachers of Tilak College of Education .

The study is delimited to attitude towards ICT .

Research Question

What is the attitude of student teachers' towards the ICT ?

Research Methodology

Method – Survey Method is used to collect the data

Population – Student teachers from Pune corporation area.

Sample - 50 student teachers are selected by incidental sampling method .

Tool for data collection – Attitude scale based on a scale developed by M. Yusuf & M. Balgun is used.

Analysis & interpretation data

The analysis related to research question is as follows:

Sr. No.	Statements	Strongly Agree	Agree	Disagree	Strongly Disagree
1	ICT enhances student's learning.	36 (72%)	14 (28%)	00	00
2	Teacher education included ICT is necessary.	29 (58%)	13 (26%)	05 (10%)	03 (6%)
3	Mail creates more information between teachers & learners.	6 (12%)	44 (88%)	00	00
4	ICT provides better learning experiences.	30 (60%)	20 (40%)	00	00
5	I would work harder if I could use ICT	10 (20%)	36 (72%)	2 (4%)	2 (4%)

6	I learn more from ICT than I do from books.	14 (28%)	33 (66%)	2 (4%)	1 (2%)
7	ICT is useful in dissemination of information.	26 (52%)	20 (40%)	02 (4%)	02 (4%)
8	ICT makes course more interesting.	26 (52%)	24 (48%)	00	00
9	ICT skill is worthwhile.	25 (50%)	22 (44%)	02 (4%)	01 (2%)
1	ICT gives opportunity to learn more.	30 (60%)	20 (40%)	00	00
1	I won't have anything to do with ICT.	00	06 (12%)	20 (40%)	24 (48%)
1	I have phobia with for ICT equipment.	00	03 (6%)	17 (34%)	30 (60%)
1	ICT can't address the needs of school system.	00	02 (4%)	27 (54%)	21 (42%)
1	The state of facilities discourages me from using ICT.	08 (16%)	12 (24%)	14 (28%)	16 (32%)
1	ICT makes teachers passive.	10 (20%)	10 (20%)	10 (20%)	20 (40%)
1	I will never use ICT in teaching learning process.	00	03 (6%0	11 (22%)	36 (72%)

Based on the results in table, there is every indication that responses to the positive statements (items 1-10) show that over 50% of respondents have appositive attitude towards the ICT. It means that more respondents believe that ICT generally provide better learning experiences. For negative statements (items 11-16) show that only about 12% of the respondents agreed that they won't have anything to do with ICT, while 88% disagreed & strongly disagreed on that statement. Item 12 shows that 6% of respondents shows that they have phobia with ICT, while 94% of the respondents disagreed that they have phobia with ICT. Item 13 shows that 96% of the respondents disagreed that ICT can't address the needs of school system. Item 14 shows that 58% respondents agreed that the state of infrastructural facilities discourages them from using ICT. Item 15 shows that 60% respondents disagreed that ICT makes teacher passive. Item 16 shows that 94% of the respondents disagreed that they will never use ICT in teaching learning process.

Findings

 Student teachers generally have positive attitude towards ICT.

Conclusion

In this study, it was discovered that student teachers have positive attitude towards the use of ICT. Student teachers' positive attitude towards the use of ICT may provide useful insight into the future of technology integration, acceptance & usage in teaching learning process which will be useful for teacher & education.

References

Books:

Arulsamy S.,& Sivkumar P. *(2009),Application of ICT in Education, New Delhi, Neelkamal Publications.*

Singh Y.K., *(2008), Instructional Technology in Education, (2008), New Delhi, APH publishing House.*

Journals:

Abraham,jessy & Sharma, Babita. *(2010). Relevance of ICT components in Pre-service Teacher Education Curriculum. Edutracks, October, 2010. Vol-10,No.-2*

Debashish Bhowmick, *(2014), ICT in Educationin India. Edutracks, October 2014. Vol-14, No-2*

Websites:

Bhaskar Santosh *(2013), Role of ICT in Teacher Education in Remote Areas retrieved from http://edtechreview.in/trends-insights/813*

Mikre Fisseha *(2011), The Roles of ICT in Education retrieved from www.ju.edu.et/rjrs/sites/default/files*

Miranda Guilhermina Lobato & Rolo Ana *(2002), The role of ICT in Teacher Education., retrieved from www.leeds.ac.uk/educol/documents/0002194.htm*

Misra Srikant *(208), Role of ICT in Enhancing the Educational Productivity. retrieved from www.academia.edu/211024/Role_of_ICT*

Yusuf M. O. & Balogun M. R. *(2011), Student teachers' Competence & Attitude towards ICT- A case study in a Nigerian university, 18-36 retrieved from www.unilorin.edu.ng/publications/yusufmo/publications*