



## I.C.T For Futuer Teacher

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**ABSTRACT**

*In India the use of computer and multimedia as teaching tools in schools has begun. The literature about teaching ICT is now in market. Various hand books , guide books, teaching methods, etc the teacher educator and administrators of teacher education institutes must take advance step to integrate ICT in education to assure quality in training programmed.*

*Information and Communication Technology is sharing and interchanging information such as knowledge, mental skills, and attitudes through we of mass media and especially electronics. Until every student has a computer in The class room and a teacher well trained to help, until every has the skill to tap the enormous resources of the internet , India will miss the full promise of the Information Age.ICT Literacy in Pre-service teacher education can be develop vocabulary of information and commutation technology amongst teacher trainees . There are six major themes of ICT in teaching & learning in different level; Tasks effected ,Refinement assisted ,ambience altered, motivation changed, learning reshaped, teaching displaced. EDUSAT is a great facility that must be optimally used by NCTE to promote profession growth of teacher educators.*

**Key words : ICT , Future Teacher , EDUSAT Technology**

**INTRODUCTION:-**

Over the past two decades , Information Technology (IT) has wood-ened to become Information and Communication Technology (ICT). It has become better established within Teacher Training Colleges Like DIETs, CTEs and IASBs and also in Schools , Provision of equipment alone is limited values unless more understood about the interaction and engendered by using technology in different settings. The quality and level of ICT resource is need to continue improvement in the teacher training colleges and schools to enhance students' learning pedagogical strategies.

Primary uses if ICT are for development of teaching skills and providing tools for Teachers and students. Successful educational applications of the ICT are the involving a complex interplay of context , people ,activities, machines, and available software within specific settings.

This paper will not only look at how ICT has helped our trainees and us to an extent but also how we should be prepared for the challeng-es ahead.

**Objective of Educational Technology**

- To Modernize the learning methods and techniques offer system-izing them so that these may be turned effective according to the needs of the changing area for the unknown future.
- To make desirable Modification in the behavior of the teachers and pupils by improving the teaching learning and evaluation conditions.
- To make the classroom teaching easy, clear interesting , effective, understandable ,objective and scientific.
- To help in increasing various facilities by solving the most com-plicated problems of human life so that the human life may car-ryon its progress continuously.

**WHAT IS ICT?**

Information and communication are the two side of the same coin . Information means to be stored and shared. The latest technology may be used to develop communication skills and make teaching more effective.

Information and Communication Technology is sharing and inter-changing information such as knowledge, mental skills, and attitudes through we of mass media and especially electronics. If we observe the development of Information and Communication Technology some are long established like radio ,television and telephones. And some innovations have established a few years ago such as satellite transmission ,optical fibers ,microcomputers video recording on tape or video disc ,and the latest development is the world wide web. This has led to tools like video conferencing , virtual classrooms etc.

These development in the filed of Information and Communication Technology can be used in strengthening the future teachers in pre service teacher training program me. So that educational reconstruc-tion in future will be meaningful and effective .

The Use of over head projector (OHP),slide and film stripe projector ,Radio, Tape recorder, Television, Motion Picture ,Computer etc. have become essential aspects in Teacher education. The terms 'informa-tion and communication' are related to basic questions of the curricu-lum , viz.(1).What to teach ? and (2) How to teach?

**ICT- LITERACY**

NCTE in its general body meeting ,held on 17<sup>th</sup> August 2000,decid-ed that "Information and Communication Technology(ICT) Literacy" should be made a compulsory part of B.Ed. Course.

According to Maheshwari(2001) ".....Until every student has a com-puter in The class room and a teacher well trained to help, until every has the skill to tap the enormous resources of the internet , India will miss the full promise of the Information Age."

The world has entered in the information age by information explo-sion .The human brain has the privileged faculties of thinking , imag-ination and creativity .Any system of education ,need to visualize the role of the future teacher.

The Teacher is not an instructor or taskmaster ,he is a helper and guide .The tree principal of teaching is that nothing can be taught His business is to suggest and not to impose .He does not actually train the pupil's mind ; he only helps and encourages him in the process .He does not impart knowledge to him ;he shows him how to acquire knowledge for himself.

Highlighting the important of information and communication tech-nologies ,UNESCO(1996) observed

".....as tools for education of children and adolescents, the new technologies offer an unprecedented opportunity to satisfy increas-ingly wide spread and diversified demand while maintaining quality

. The possibilities they open up ,along with their advantage for teach-ing are vest. Computers and multimedia systems , for instance ,make it possible to design individual learning paths along which pupil along which pupil can move at his or her own pace ; they also make it easier for teachers to organize acquisition in mixed-ability classes .

Keeping in view the recent trends and utility of information and com-mutation technology ,the objectives of the ICT Literacy in Pre-service teacher education can be;

- To create general awareness amongst teacher trainees about information and commutation technology and its use in teaching-learning .
- To acquaint teacher trainees with parts of computer system and their functioned
- To develop vocabulary of information and commutation technology amongst teacher trainees .
- To develop competency amongst teacher trainees of using off-line electronic resources (CD Rom etc.)and on-line resources such as the World Wide Web To develop competency and encourage teacher trainees in using INTERNET for improving school teaching and for personal academic growth (on-line resource)

**Strategies for raising achievement through KIT;**

The strategies for raising achievement through ICT are;

- Identification of key area for a year ‘improvement plan’.
- Governing body involvement in setting targets and improvements
- The ‘gifted and talented ‘ project allows for the involvement of a number of outside .speakers and visits to promote curriculum leaden and senior management .
- Curriculum leaders have lesson plans ,and pupils’ work ,delivery of lessons and record keeping are monitored by curriculum leaden and senior management .
- A working group ‘Improvement strategy group’ meets on a regular basis to discuss strategies that work and plan for improvement
- Progress review weeks for all pupils.
- Use of study skills, holiday, revision sessions and ICT material to aid revision.
- Use of modeling to enable pupils to test target grade hypothesis.
- Use of verbal & non-verbal data to highlight high intelligence scores against low verbal scores.

**The Major themes of ICT in Teaching & learning;**

There are six major themes of ICT in teaching & learning in different level



**Tasks effected**

This theme concern the contribution oh Id use to effective tasks encountered within academic work. The majority of future teachers, who have computers at home used them for game-plying ,homework and the Internet (although the latter was often restricted by post). some felt that IT skills gained in this context supported their use of technology in school; future teachers valued ICT tools as enabling them to carry out academic tasks easily ,rapidly and reliably, yielding results of high quality Although they generally ,welcomed the way in which ICT tools effected tasks, some were concerned to retain control over their work.

**Refinement assisted**

This theme concerns the contribution of ICT use to refining creations in the course of academic work. It goes beyond the idea of simply effecting tasks to focus on the scope that ICT Provides for training options & revising attempts, enabling ideas to be essayed and improved .Across all years and schools pupils remarked on how writing with ICT made various types of modification much easier .One aspect was simply correcting & erasing mistakes.

**Ambience altered**

This theme concerns the association between ICT uses and altered working ambience and classroom relations. Future teachers in all groups commented on differences between ordinary lesson and those using computer and other technology .

Typically lessons using computers took place in specific resource area or computer suites.

**Motivation changed**

This theme concerns the association between ICT use and changed motivation .Across schools ,future teachers linked the altered classroom ambience associated wife ICT use to raised interest and increased motivation and pointed to ways in which the scope for effecting tasks and refining creations with ICT use.

**Learning reshaped**

This theme concerns the contribution of ICT use to reshaping learning. ICT resources had potential to be used not ‘as just a tool ‘but’ as something to learn with’. Future Teacher in every college will be enthusiastic by the revision software and websites ,seen as addressing learning objectives simply & directly.

**Teaching displaced**

The theme associated ICT use with a degree of distancing and displacement of future teachers and teaching & arose first in responses to a question about whether they taught differently when they use ICT in the classroom.

**EDUSAT TECHNOLOGY-Potential use of ICT**

The priority of EDUSAT is to teacher education for rapid change an education system .The Mission is to Use Tremendous ICT capability to enable use to fulfill future teachers’ determination to ensure seamless education with equity in access and to promote development through education. The main features of EDUSAT are;



EDUSAT is a great facility that must be optimally used by NCTE to promote profession growth of teacher educators.

**CONCLUSION:-**

In the paper I have outline how ICT can be used , together with some monitoring strategies ,to improve learning and hence achieve predicted results. The Nature of the use of ICT is as effective teaching and as an aid to administration tasks. Indeed using the computer & other related technology ,it seems to make our life easier. Using the electronic white board to demonstrate a complex or dull topic makes excellent attraction and understanding .

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