

## **ICT IN TEACHER EDUCATION**

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### **Abstract**

*ICT is a scientific, technology and engineering discipline and management method utilized as a part of taking care of data, its application and association with social, economic and cultural issues (UNESCO, 2002). ICT remains for Information and Communication Technologies. ICT is a part of our lives for last few decades affecting our society as well as individual life. Teacher, Student, administrator and every people related to education are popularly used ICT. Teacher use ICT for making showing learning process simple and intriguing. A competent teacher has a few aptitudes and procedures for giving successful teaching effective. So development and increment of abilities and capabilities of teacher required knowledge of ICT and Science and Technology. In modern science and technology societies education demands more information of teacher in regards to ICT and aptitudes to utilize ICT in teaching – learning process. The information of ICT likewise required for pre-benefit educator amid their preparation program, since this coordinated innovative learning encourages a planned teacher to know the world of technology bitterly by which it can be connected in future for the advancement of the students. ICT additionally helps teachers, students and guardians to meet up. Teachers must know the utilization of ICT in their subject areas to help the students for adapting all the more successfully.*

**Keywords:** *ICT, Technology, Teacher.*

**Introduction:** Each part of life is identified with science and technology. Gigantic stream of data is developing in all fields all through the world. Presently information and technology is prevalently utilizing as a part of instructive field for making showing learning process effective and intriguing for students and teacher both. In 1998, UNESCO World Education report alludes about students and teachers must have adequate access to enhance computerized technology and the internet in their classroom, schools, and teacher educational institutions. Teachers must have the learning and aptitudes to utilize new advanced devices to enable all students to achieve high academics standard. The nature of expert advancement of

educator instruction relies upon the degree of ICT coordination in teacher education programme. According to UNESCO (2002) “ICT is a scientific, technological and engineering discipline and management technique used in handling information, its application and association with social, economic and cultural matters”.

Teachers are at the center of any living society. Technologies play an essential part in preparing system of teachers. Students’ accesses knowledge and information through TV, digital media, cable network, internet and social media i. e. Facebook, Twitter, Whatsapp, Linkedinn, Igo, Line, Wechat etc. Without proper knowledge of ICT teacher cannot perform in his/her class room and it could not be said to be a complete one.

### **ICT in Teacher Education**

The classroom is currently changing its look from the conventional one I. e. from one approach to two way communication. Now teachers as well as students take an interest in classroom talk. Education is based on child centric education. So the teacher should get ready to adapt up to various technology for using them in the classroom for making showing learning intrigued. For powerful execution of certain understudy driven techniques, for example, venture based realizing which puts the students in the part of dynamic looks into and technology turns into the suitable device. ICT has empowered better and swifter communication; introduction of thoughts more successful and applicable way. It is a successful device for data procuring along these lines students are encouraged to search for information from different sources and they are presently more educated than previously. So hence ICT is particularly essential for Teacher Education.

### **ICT and future teachers**

In the foreseeable future teachers and learners will not be anchored to classrooms as they make appropriate use of various forms of computer enhanced learning. The customary situating of teacher at the front of a classroom with students at tables around, yet fundamentally confronting the teacher, will be just a single of numerous learning circumstances to be utilized every day. ICT particularly in 21st century conceives energy to the student's eyes, ears and all the more critically the head. ICT helps in changing the meaning of education, learning and information; a definition that undeniably incorporates

sight and sound digitized proficiency. ICT encourages the student to have control on lesson, pace the succession, substance, and input, which thusly upgrades the proficiency of learning. Additionally, ICT-engaged reproduced circumstance limits perils in reality e.g. - pragmatics in science, pilot preparing driving and so on. At long last, teachers later on will make considerably more utilization of ICT for proficient exercises including lesson arranging and arrangement of showing materials, recording understudy evaluation and other regulatory undertakings and their own proficient improvement and proceeding with training. To help future teachers it is vital that education systems, the employers show to teacher education suppliers which models they would expect that teachers to follow. Else it is difficult to appropriately get ready new teachers and to offer proficient improvement to existing teachers, when there is no fundamental concurrence on which thoughts will be utilized at what levels.

#### **Different Strategies for applying ICT in Teacher Education:-**

- I) Providing sufficient infrastructure and technical support.
- ii) Applying ICT in all subjects.
- iii) Applying new Pre-service teacher Education curriculum.
- iv) By utilizing application programming, utilizing media, Internet email, groups, understanding framework programming.

#### **Role of ICT in Teacher Education:-**

- ICT helps teachers in both pre-service and in-Service teachers training.
- ICT helps teachers to interact with students.
- It helps them in arrangement their teaching, provide feedback.
- It likewise helps in powerful utilization of ICT programming and equipment for teaching – learning process.
- It helps in enhance Teaching expertise, helps in creative Teaching.
- It helps in adequacy of classroom.

- It additionally helps in enhancing proficient Development and Educational administration and also improves Active Learning of teacher Trainees.
- It is now replacing the ancient technology. As we know now-a day's students are always have competitive mind. So teacher must have the knowledge of the subject. This can be done through ICT.
- ICT helps teachers in readiness for instructing. Keeping in mind the end goal to present ICT in pre-service teacher training distinctive techniques and procedures are connected. Distinctive devices are utilized, for example, word preparing, Database, Spreadsheet and so forth. Different innovation based plans are utilized to help the educators for their work on instructing.
- ICT as a mainstream instrument for association and administration in Institutions.
- It expels the conventional strategy for teaching and get ready teacher to apply current technique for instructing.
- ICT helps Teacher to information to students within a very little time.
- ICT helps Teacher to motivate students and developing enthusiasm for learning.
- ICT helps Teacher for organizational preconditions (vision, strategy and culture).
- It is also helps Teacher for their personnel support (knowledge, attitude, skills).

### **Conclusion:-**

Educating possesses a good position in the society. ICT helps the teacher to refresh the new information, abilities to utilize the new computerized apparatuses and assets. By utilizing and procure the information of ICT, student teacher will become effective teachers. ICT is one of the central points for delivering the quick changes in our society. It can change the idea of training and parts of students and teacher in teaching learning process. Teachers in India now began utilizing innovation in the classroom. Laptops, LCD projector, Desktop, EDUCOM, Smart classes, Memory sticks are turning into the normal media for teacher education institutions. It is critical to recall that ICTs in education are not change without anyone else. Change requires enhancing student learning. The expert improvement of teacher educators in

the area of ICT incorporation is basic. Unless teacher educators demonstrate powerful utilization of technology in their own classes, it won't be conceivable to set up another age of educators who viably utilize the new apparatuses for teaching and learning. So we should utilize information and communication Technology in Teacher Education in 21st Century as in light of the fact that now teachers just can make a brilliant future for students.

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