



## Teaching effectively with technology Significance of ICT technology in higher education

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### **Abstract**

*The expediency, significance and efficacy of ICT (Information and Communication Technology) as a teaching tool is growing these days. ICT instrument has revolutionized the learning process. These tools are linked with certain merits and demerits in development of potential tools of education to support effective learning. The success of ICT also depends on providing easy and accessible educational software as well. The policy makers should invest their superior thoughts in providing the ICT to all educational institutions and support in empowering the students to learn facts clearly and quickly. The best practices of educational institutions are thus depicted in the use of ICT technology to give greatest learning impact it helps the professional development of students as well as teachers. .*

**Key words:** ICT methods, educational technology \

*"If the teaching through learning is followed by the presentation of a reinforcing stimulus, the strength is increased" (B F Skinner, 1938 American psychologist )*

### **Introduction**

The expediency, significance and efficacy of ICT (Information and Communication Technology) as a teaching tool are growing these days. ICT instrument has

revolutionized the learning process. These tools are linked with certain merits and demerits in development of potential tools of education to support effective learning. The success of ICT also



depends on providing easy and accessible educational software as well.

**Tools of ICT-** ICT includes the use of following tools

1. Radio television
2. Computers
3. Handled devices
4. Networked computers
5. Internet accessibility
6. Any other audio visual media
7. Any other broad casting technology
8. Satellite supported equipments

**Popularity OF ICT-** ICT has become indispensable because

1. The internet is widely accessible
2. Global penetration towards digital technology is increasing
3. Traditional classroom teaching is becoming monotonous where a student will be unable

to concentrate for five – six continuous hours of teaching

4. It's easily accessibility to teachers as it helps the teacher to broaden his skills at teaching
5. It provides accurate Information and data hence it is reliable source of information
6. It has time reduction technique to teach effectively in a time format
7. It offers diversity of information and learning resources to both teachers and students
8. It provides comprehensive and correct information to both teachers and students
9. It is straightforwardly comprehensible as it is practical learning
10. It helps the learner to widen his learning bases and the teacher to broaden his teaching skills



### Benefits to a learner

It's usage is seen as the alternative to traditional instructor centric learning models. It can become more learner centric institutional models

1. This helps in individualized and learner centric activities.
2. This helps Self motivation of students
3. This helps to motivate to create a new group of knowledgeable teachers and encourage their scholarly pedagogic activities
4. This helps in optimum utilization of learning tools and resources
5. This helps in new research in programmed learning materials
6. It helps to improve the all stake holders such as students teachers parents and policy makers to rethink about including ICT
7. This helps to break the monotony of learning as teaching learning situation is

empowered with a variety of interesting tools

8. As an answer to the complaint that quality of education is on decline, ICT can play a great role as it makes students interesting towards learning
9. As book reading has become obsolete the learning can be updated and classroom discussion through ICT can be made more interesting
10. It can be used for individual remedial learning as well
11. Schools are under pressure to make students learn things in a faster and meticulous way there have been various electronics gadgets that provide updated information quickly it is an alarm for teachers to become updated and alarm for parents to keep their children updated and for policy makers to provide technological support to all schools ( Bhattacharya, I. and Sharma, K. (2007), 'India in the knowledge economy)
12. These schools are facing the challenge of integrating eh information



13. Student attendance improves
  14. His concentration level increases
  15. His comprehension increases
  16. His memory and retention power increases
  17. ICT will perception that this technology will facilitate support and drive
  18. Shift in the focus level from group to that of individual
  19. Profound impact on schooling pattern
  20. Unlimited access to learning demands unlimited possibilities of technology
  21. This technology will provide a continuous learning environment
  22. Schools will become a learning hub
  23. Accessible, collaborating, inclusive and exciting
  24. The technology push in education is irresistible
  25. Each student will become co creator and co contributor to information resources
  26. Reinforces correct learning behavior
  27. Teacher as a dispenser of education becomes more rationalized
  28. A teacher affects eternity he cannot stop to learn
  29. A teacher who is attempting to teach without inspiring the pupils is teaching is like hammering a cold iron
  30. Education's purpose is to replace an empty mind with an open one." - Malcolm Forbes
- These days ICT is applicable to all levels of learning as it helps in
1. increasing understanding of the theoretical concepts and application of practical models
  2. appraise expression power
  3. developing reasoning and thinking power
  4. development of judgment and decision making ability
  5. improving comprehension, speed and vocabulary
  6. developing self-concept and value clarification
  7. analyzing learning outcomes



8. evaluate one's own study habits and
9. review the reflections on results
10. developing entrepreneurial skills, risk taking capacity, scientific temper, etc

**Conclusion-** The success of ICT also depends on providing easy educational software as well. The ministries of education have to comprehend the delicacies of educating the present generation and the superfluity of openings the internet is providing to them it should be cost effective and manageable educational resources. The policy makers should invest their superior thoughts in providing the ICT to all educational institutions and

assist in empowering the students to learn facts clearly and quickly.

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