

## CORRELATION OF I.C.T AND EDUCATION

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### **Abstract :**

*One of the basic functions of education is preparation of students for life. This function in 21<sup>st</sup> century may be participation in an information rich society, where knowledge is regarded as the main source-cultural and politico-economical development of countries. Information rich societies are developed and dominating and they are controlling the information throughout the world. Information encompasses and relies on the use of different channels of communication, presently called information and communication technologies.*

*Information technologies are assumed to play a constructive role in education to make the teaching and learning process more productive through collaboration in an information rich society. Information rich society promotes new practices and paradigms for education where the teacher has to play new role of mentoring, coaching and helping students in their studies rather to play the conventional role of spoon feeding in the classrooms. Students can learn independently having a wide choice of programmed selection and access to information. Students can be involved in skill oriented activities in group learning environments for accumulated knowledge.*

*They can interact and share learning experience with their teacher and fellow learners in knowledge construction constructive and productive profession rather depending upon the teacher. Students can learn much more than that the teacher in conventional learning environments. For productive teaching learning process teachers and students have to use information technologies according to their requirements and availability.*

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**Key Words :** Communication Technology, information and data.

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### **I.C.T in Education :**

Information Communication Technology in Education, effects of the continuity developments in information Communication technology on education. New and emerging technologies challenge the traditional process of teaching and learning, and the way education is managed. Information technology, while an important area of study in its own right, is having a major impact across all curriculum areas. Easy worldwide communication provides instant access to a vast array of data, challenging assimilation and assessment skills. Rapid communication, plus increased access to I.C.T in the home, at work, and in educational establishments, could Mean that learning becomes a truly lifelong activity an activity in which the pace of technological change forces constant evaluation of the learning process itself.

### **Need and Importance of I.C.T in Education :**

1. Information explosion is an ever increasing phenomena therefore there is need to get access to this information.
2. Education should meet the needs of variety of learners and therefore I.C.T is important in meeting this need.
3. Education is a lifelong process therefore anytime anywhere access to it is the need.
4. It is a requirement of the society that the individuals should process technological literacy.
5. We need to increase access and bring down the cost education to meet the challenges of illiteracy and poverty-I.C.T is the answer Importance.
6. Access to variety of learning resources.
7. Teaching of different subjects made interesting.
8. Educational data storage.
9. Multiple communication channels-e-mail, chat, blogs etc.
10. Better accesses to children with disabilities.
11. Anywhere learning.
12. Anytime learning.
13. Immediacy to information.
14. Reduces time on many routine tasks.
15. Multimedia approach to education.
16. Access to online libraries.

**Significance of I.C.T in Education :**

**1. Multimedia approach to education.**

Audio-Visual Education, planning, preparation, and use of devices and materials that involve sight, sound or both for educational purposes. Among the devices used are still and motion pictures, filmstrips, television, transparencies, audiotapes, records, teaching machines, computers and videodiscs. The growth of audio-visual education has reflected developments in both technology and learning theory.

**2. Authentic and up to date information.**

The information and data which are available on the net is purely correct and up to date as well as verified. So you can rely on it.

Internet, a collection of computer networks that operate to common standards and enable the computers and the programs they run to communicate directly provides true and correct information.

**3. Online Library.**

Internet supports thousands of different kinds of operational and experimental services one of which is online library. We can get plenty of data on this online library.

**4. Distance Learning.**

The distance learning was dealt within the context of a continuing communications revolution, largely replacing a hitherto confusing mixed nomenclature home study, independent study, external study and most common though restricted in pedagogic means correspondence study. The convergence of increased demand for access to educational facilities and innovative communication technology has been increasingly exploited in face of criticism that distance learning is an inadequate substitute for learning alongside others in formal institutions. A powerful incentive has been reduced costs per student. At the same time students studying at home themselves save on travel time and other costs.

**Aims of I.C.T. :**

1. To ensure that all countries have access to the best educational facilities.
2. To prepare young people to play full roles in modern society.
3. To contribute to a knowledge nation.
4. To provide the most comprehensive education possible.

### **Development of I.C.T in School :**

ICT is associated with schools and school leadership such as vision, facilities and resources, community involvement, and so on , that relate to ICT development in school. Finally , a two dimensional matrix is developed with approaches to ICT development along one dimension , and characteristics of schools rating to ICT development along the other dimension. This matrix should regard to ICT development.

### **Characteristics of schools related to development :**

1. Vision
2. Philosophy of learning and pedagogy
3. Development
4. Development plans and policies
5. Facilities and resources
6. Understanding the curriculum
7. Professional development of school staff
8. Community involvement
9. Assessment

### **Developing ICT skills and knowledge :**

In the emerging approach teachers are developing their ICT literacy learning to develop ICT literacy the emphasis is on training in a range of tools and applications and increasing their awareness of the opportunities to apply ICT to their teaching in the future. ICT literacy is not really different for pupils than for teachers the basic concepts of understanding and using ICT contain essentially the same elements.

### **Role of the Teacher in ICT :**

1. Teacher oriented learning process.
2. Increase the importance of lesson plan.
3. ICT is one of the important tools to help teachers create more learner-centric learning environments.
4. ICT's can be used to support change and to support / extend existing teaching practices.

**Usefulness of ICT for the Students :**

1. Improve the ways of learning in new learning fashions.
2. Extend the ability and skills of applying their learning in real situation.
3. Learn with the teacher rather by the teacher.
4. Develop inquiry-learning habits.
5. Use right information at right time to achieve right objective.
6. Exchange learning experiences and information with others students and teachers living anywhere in the world.

ICT is the result of knowledge explosion. These include hardware and software technologies and facilitate teaching learning process. Using ICT learners are now able to participate in learning process to throughout the world. They are independent access to the resources. They may learn collaboratively, share information, exchange their learning experiences and work through co-operative activates in virtual learning communities. ICT facilitate teaching learning process in more productive fashion.

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