



The Role of Computer and Computer Technology

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Computers have invaded almost all walks of life and transformed them into new style of living. The use of computer in education system in India has increased many folds, however, it still not gone to optimum especially in schools. Students of science are lacking in application of computer in solving the problems of science and mathematics. The importance of using computer to learn science cannot be over emphasized.

Here a Chinese saying is cited as follows: "I hear (a lecture) and forget. I see (an experiment) and I remember. I compute and I understand".

In fact, computers have been used in teaching and learning for several years. Teachers have been using them for many purposes beyond word processing. One type of computer application is simulations. Although the use of computer technologies in the schools is still debated among scholars (such as Larry Cuban, 1997) computers can play important roles in the classroom and laboratory science instruction (e.g., Lazarowitz and Huppert, 1993; Akpan and Andre, 1999).

Computer technology is gate way of all sciences and technologies. It is the important branch which is the basis for all development of humanity and improvement of its well being. Today, it has profoundly influenced every walk of life in contemporary world. It is a fact that computer science has made everybody's life happy and enjoyable.

Ever since the advent of computer and computer technology, the modern civilization has achieved many bench marks. There

is hardly any field or domain which has not received the benefits of computer techniques. Specially, the discovery of Artificial Intelligence and expert system has served the society in every walk of life rather it is synonymous with human intelligence. The devices equipped with modern computing intelligence makes the society smarter.

It is a fact that computer technology consists of electronic devices and associated human interactive materials that enable to employ them for a wide range of teaching learning in addition to personal use. These technologies include computers, internet, broadcasting technologies (radio and television) and telephony.

Computer technology uses the information to meet human needs or purposes which include processing and exchanging. The system could also be seen as acquisition, recording and processing of data which is finally retrieved as information via electronic signals for usage. Computer science also refers to the convergence of audio-visual and telephone networks with computer networks.

The technology encompasses a wide range of activities from office data processing to remote control and monitoring of manufacturing robots. It also covers the cabling infrastructure e.g. fiber optic cables, which carry voice data and video communications.

Computer technology has profoundly influenced today's every walk of life in the contemporary world.

After the emergence of computer technology, the whole world has become a global village where all activities related to human

and material resources are utilized for optimum result. Actually, computer technology has made everybody's life happy and enjoyable. Adebaya and Akinola (2008) said that the advent of computer technology has made the match of globalization an indispensable reality and had reached every part of the world.

Computer technology professionals are in great demand in almost every sector and country in the world. Although, computer science is an immature discipline as on today and development of computing technology has not been matched by a similar development in academic research techniques. In the pursuit of technological goals, researchers have borrowed models of argument and discourse from disciplines as varied as philosophy, sociology and the natural sciences.

This lack of any agreed research framework reflects the strength and vitality of computing science. An optimist might argue that we have learnt greatly from the introduction of hermeneutics into the field of requirements analysis. To cope with this it has become necessary to evolve advanced technology in the computer science and that can only be possible through researches in this area.