

Information Technology in Education Sector in Jammu and Kashmir

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DOI: <https://doi.org/10.26438/ijcse/v7i4.888889> | Available online at: www.ijcseonline.org

Accepted: 17/Apr/2019, Published: 30/Apr/2019

Abstract- With the development of technology and increase in knowledge of society, our state requires learning skills that could help it to hold pace with the development of technology. Educational structures in a community and consequently schooling will not be capable of becoming independent from other social institutions. Education within the twenty-first century is the middle from which all changes and trends arise. Information generation in schooling desires a tradition. This change needs to be found at the side of the use of hardware assets. The machine wishes to be knowledgeable to use facts technology; otherwise, purchase and switch of era and funding could be nothing but losing sources. Although these technologies aren't unbiased in any experience they need to be used as method for communicating records, in the present social structures. However, because the procedure of change and transformation is within the nature of human social establishments, the academic device is also vulnerable to a few changes. But the essential trouble is that what techniques ought to be adopted so that schooling systems in developing countries do not only follow advanced international locations but develop and progress base on their very own needs within the course of development. In this paper, after explanation about the role of Information Technology and its place in training in underdeveloped states of India, Jammu and Kashmir, a discussion is presented on a way to input the sector of facts society and the way to use Information technology.

Keywords: Information Technology, academic, hardware, development and Jammu and Kashmir.

I. INTRODUCTION

The world has changed quickly. The change from late middle ages to modern age is drastically visible with the emergence of IT. The basic idea of a progressive change is in form of knowledge and available information. The key to a positive development is a quality education. In order to generate the human capital, it is necessary to impart quality education in schools. Education in schools and colleges must co- relate with the changing era .As of now, visiting schools in J&K is same old teaching learning process wherein students sit in rows holding their pencils, listening to their teachers to write down the lines they understand. Therefore, we witness the changes in teaching process are minimal even though international society for technology in educational (ISTE) stresses that the teachers of today should prepare to provide technology-based learning opportunities for the students. In fact, preparation for applying the technology and awareness of technology to enhance the quality of the students learning should be one of the teacher's basic skills [1].

II. INTRODUCTION TO INFORMATION TECHNOLOGY

Information technology is use of computers to store, retrieve, transmit, and manipulate data [2] or information, often in context of a business or other enterprise [3]. Precisely Information Technology (IT) is concerned with all aspects of managing and processing information. Due to the evolution of IT learning process has also changed. The scope to access the out of class information using IT has increased the motivation among students to learn more [4]. The basic role of information technology in IT is to give access to the rightful knowledge but helping to predict the adequate information within a time frame.

III. IMPORTANCE OF INFORMATION TECHNOLOGY IN EDUCATION

Facilitation of education and learning process is the main requirement with the changing era. Technology based education is taking over the traditional teaching learning process. The traditional blackboards are been replaced by the smartboards. There is an increase in upgrading the traditional schooling with the smart schooling, thereby contributing to virtual learning. On-line

learning and remote training are new education forms in the new century[5]. Also there is a need to provide effective and fixable methods for professionally developing teachers[6]. Many researchers have found that the high school students get annoyed due to non availability or insufficient access to[7]. Access to online books and tutorials, using technical tools for learning process have helped students to gain more information. IT acts as a major platform to access large sets and subsets of information.

IV. INFORMATIONAL SOCIETY

With the growing demand to know more there is a need to have more. Educational systems and learning processes are directly linked to the society. A modern society contributes to the development. A society needs to be dynamic. An informative society is the need of an hour to help the educational revolution and it is also possible when IT will be utilized by the developing societies.

V. INFORMATION TECHNOLOGY IN JAMMU & KASHMIR

Information technology is an important element in the modern educational system. Jammu and Kashmir have various schools and colleges. Most of them still use traditional ways for teaching learning process. Some of them use traditional black boards while other private institutions use white boards. Use of smart boards is minimal. Very few contribute to the informational society. With the changes in the educational system, various educational institutes use IT tools to manage their data. Various tools are used to improve the learning process especially in elementary levels. Higher level students have access to use computers. In addition to it teaching methodologies are changing drastically which helps students to use IT tools at home. Much more is needed to give IT an iconic boost in offices, schools and other institutions.

VI. CONCLUSION

Due to increasing need to develop and change the education system and learning process Information Technology plays a vital role. There is a need to develop informational societies. Use of IT tools is necessary with the increasing demand for managing data and retrieving information. There is a need to educate students about IT. IT is a jugular vein for a developing nation, so is the education sector. Therefore, it is the need of an hour to exercise IT from elementary levels. Teachers must be trained with IT skills for a better educative informational society.

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