Three Day National Conference of Association of Indian College Principals

On

Rejuvenating Higher Education for Global India
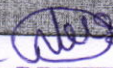
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(6th, 7th & 8th February 2020)

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14. TRENDS AND IMPORTANCE OF INFORMATION AND COMMUNICATION TECHNOLOGY IN THE FIELD OF HIGHER EDUCATION

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ABSTRACT:

Information and communication technology is important in higher educational system. Now a day without computer is an infinite of education. To Reform and Development of education system, Information and communication technology is necessary. The teaching and learning system can be changed into e- learning & teaching system by using Information and communication technology. Information and communication technology is not only necessary as a subject in higher education field but also necessary in teaching & learning system and also in day to day life.

Keywords: Information and Communication Technology, Higher Education.

INTRODUCTION:

Information and communication technology is widely affected our educational system. It gradually breaks down the old educational system, and it provide a high quality educational system and also provide less time base system. It provides the best time saved knowledge to the student. It is an essential tool for teaching and learning which develops students and teachers. The applications of Information and communication technology in the field of higher education, promote the revolution and change the ideas of teaching & learning.

INFORMATION TECHNOLOGY:

The term Information refers to any communication or representation of knowledge such as facts, data or opinions in any medium. Including textual, numerical, graphic Cartographical forms. Technology is the practical form of scientific knowledge or the science of application of knowledge to practical.

So, Information Technology is a generic term that covers the acquisition, processing, storage and spreading of information. It is the benefit for mankind. It gives user-friendliness to information at fingertips. It has reduced the space and time between the people, country and continent.

COMPONENTS OF INFORMATION TECHNOLOGY:

Information technology consists of the following components.

a) Computer:

b) Telecommunication:

c) Modem:

d) Database

NEED OF INFORMATION AND COMMUNICATION TECHNOLOGY IN HIGHER EDUCATION:

1 Information technology to enhance teaching and learning environment.

2. Information technology can be used as tools for motivating student to learn in a different way.

3. Information technology gives immediate access the materials to learners.

4. Information technology enable self- learning through various tools such as assignment, computer etc as a result of this the teaching- learning enterprise has become more productive and meaningful.

5. Information technology helps to facilitate the student update and enhancing teacher capacity and ability fostering a live contact between the teacher and the student through e-mail, e-learning, web- based learning including internet, TV, audio-video aids, cd- rom, etc.

IMPORTANCE OF INFORMATION AND COMMUNICATION TECHNOLOGY IN HIGHER EDUCATION

1. Access to variety of learning resources
2. Anytime learning
3. Anywhere learning
4. Collaborative learning
5. Multimedia approach to education
6. Authentic and up to date information
7. Access to online libraries
8. Teaching of different subjects made interesting
9. Educational data storage
10. Distance education
11. Access to the source of information
12. Multiple communication channels-e-mail, chat, forum, blogs etc.
13. Access to open courseware
14. Better accesses to children with disabilities
15. Reduces time on many routine tasks

SCOPE OF INFORMATION AND COMMUNICATION TECHNOLOGY:

Teaching and learning process –

1. Computer Aided Teaching has become popular now a day.
2. LCD projectors can be used for effective training.
3. A person from village also can refer the latest information and research every day.
4. Television broadcast is one of the best communication media to educate students, farmers, and sportsman.
5. The difficult experiments, advance surgery for medical students etc. can be viewed.
6. The man power problem, the human mistakes can be avoided by on-line examination.
7. In online tutoring, the student logs into his or her tutor through the use of internet at home. The student asks the question and teacher replies it by writing on smart board or using PowerPoint presentation.

PUBLICATION-

1. The notes, printed text books can be digitized with the help of computer technology.
2. Many e-books are available on websites developed by different publishers.
3. Encyclopedia is also available on internet.

EVALUATION-

1. Information technology is used to conduct online test.
2. Information technology is used to prepare Result
3. Information technology is used to generate Feedback
4. Information technology is used to maintain Software
5. Information technology is used to prepare Progress report

RESEARCH:

1. Information technology is used to prepare Data entry.
2. Information technology is used for Statistical analysis
3. Information technology is used for Search engines
4. Information technology is used for E libraries

CONCLUSION:

The revolution in the education, computer education based teaching has a very important significance. Teachers can provide an ideal knowledge to the students and develop students 'thinking ability and creativity, improve students' ability to analyze and solve practical problems. In higher education essentially requires the Information and communication technology for access to information, compresses information, motivate learners, and connect learners to teachers. Higher education should link up with computer education to make the lesson more real and dynamic.

SUGGESTION:

Application of computer should be enhanced in the field of Education system,Government sector, Entertainment, Sports, Advertising, Medicine, Science and Engineering, Home etc.

REFERENCES:

- https://www.researchgate.net/publication/228920282_The_role_of_ICT_in_higher_education_for_the_21st_century_ICT_as_a_change_agent_for_education
- http://bcjms.bhattercollege.ac.in/ict-in-higher-education-opportunities-and-challenges/
- https://pdfs.semanticscholar.org/4ff2/533d7f8bab7142978fe13c545a1943293372.pdf
- http://www.mce.su/eng/archive/mce17/sect287/doc60875/
- http://www.etni.org.il/etninews/paper.htm
- www.atlantis-press.com/php/download_paper.php?id=25840787
- www.ericdigests.org/1996-3/dance.htm
- https://en.wikipedia.org/wiki/Computer