



Ict & Innovation In Higher Education

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ABSTRACT

Higher education system in India one of the largest such systems in the World. There are also new challenges of management and regulation being faced by these institutions, which require serious attention.

The concept of education is not only to give knowledge but also it is necessary to develop society. This is the attitude of the society towards education. Changes in the economic and social fundamentals call for transformation in the skills, capabilities and attitudes of the masses. This requires a shift in the delivery and pedagogy used in the current education system. Educational opportunities and traditions that Indian Universities graduates, capable only of pursuing limited careers.

Introduction:

Today the world economy is experiencing an unprecedented change. New developments in science and technology, media revaluation and internationalization of education and the ever expanding competitive environment are revolutionizing the education scene.

Dr. Radhakrishnan said “education is not limited to the imparting of information or training of skill. It has to give the educated a proper sense of values.

ICT in higher education Punctuality, honesty, integrity, sincerity are some of the intrinsic value which a University student must develop. Higher education in general Teacher in particular is always fed with new knowledge. Knowledge is the fruit of research in different branches of science. Research is taking place mainly in laboratories as well as it is the result of causal observation trying to find out causal relations. Education and Teacher Education in it always requires long-term planning.

ICT & Scope in Higher education:

In the current Information society, there is an emergence of lifelong learners as the shelf life of knowledge and information decreases. People have to access knowledge via ICT to keep pace with the latest developments. In such a scenario, education, which always plays a critical role in any economic and social growth of a country, becomes even more important.

The various kinds of ICT products available and having relevance to education, such as teleconferencing, email, audio conferencing, television lessons, radio broadcasts, interactive radio counseling, interactive voice response system, audiocassettes and CD ROMs etc have been used in education for different purposes.

Teaching & Learning Process:

Use of computer & other technology teaching is effective & learning process of student & teacher both are effective. ICT products available and having relevance to education, such as teleconferencing, email, audio conferencing, television lessons, radio broadcasts, interactive radio counseling, interactive voice response system, audiocassettes and CD ROMs etc have been used in education for different purposes. It helps to gives references for teaching.

ICT for Educational Management:

Today the world economy is experiencing an unprecedented change. New developments in science and technology, media revaluation and internationalization of education and the ever expanding competitive environment are revolutionizing the education scene. It helps to gives references for teaching. Use of computer & other technology teaching is effective & learning process of student & teacher both are effective.

Publication:

Technological innovations in education would not impact the economy of the countries but would have indirect effect overall “knowledge economy”. Investment made in education would not yield results immediately, but provide huge benefits for the countries in the longer run. Multimedia is powerful publication media. Means it became due to computer technology. In our day to day work teacher can use the communication tools like newsletters publisher, web pages, multimedia presentation etc.

Research:

While the global increase in the use of the Internet has provided numerous benefits to our colleges and universities, it has created an open resource arena with no clear ownership rights, resulting in a virtual free-for-all global facility for its users. Researcher require latest information for their work for them similar researcher & those which took place till today are important. ICT gives information about conclusions of such research, references books used, different methods & technique. Email, chat, USENET, website video conference is also useful for researcher.

Evaluation:

The universities to share their curriculum with each other and close the loop holes, which would benefit the students of the universities. This would include sharing of content of courses, examination patterns, evaluation techniques, case study methods and many more. It is not only the students who are going to learn, but also the faculty members will reap great benefits out this concept.

Online examinations are conducted due to ICT. To develop observation skill's in the student also done by ICT in 2015. Student will achieve their degrees & complete education sitting at home due to ICT.

Innovation in Education:

“Innovation” in the Dictionary means anything that “bring in novelties” or “makes changes in the existing system.” Innovation is nothing but a novel process or product which should be

useful to the society. An educational innovation means an introduction of a new dynamic or vital element, deviating from traditional approaches for the purpose of achieving goals more effectively. However, educational innovations can be characterized by certain intrinsic and extrinsic features, some of which are essential and some are desirable.

(Mohanthy Jagannath-2009)According this follows Essential features of Educational Innovation are:

- ✓ Novelty: Every educational innovation should be new and deviant from the existing ones.
- ✓ Utility: Every educational innovation need be related to the needs and values of the society and as such it should be useful.
- ✓ Specificity: Each educational innovation should be related to the specific objectives as envisaged in the plan of a programmed / project.
- ✓ Cost-effectiveness: Educational innovations should be cost-effective and quite feasible.
- ✓ Time-effectiveness: An educational innovation should be completed as per schedule to be chalked out in view of the urgency and requirement.
- ✓ Communication: The innovation in course of its implementation or after its completion shows some changes which have to be communicated to others for emulation and imitation.
- ✓ Reliability: The innovation should be implemented or replicated with or without adaptation in other parallel situation.

Concept of E-Education:

E-education revolves around the use of information and communication technologies (ICT) to accelerate the achievements of national or international educational goals. E-education is all about connecting the learners to other learners, teachers to students, and a platform for learning. It will connect learners and teachers who would share information, ideas to one another via effective combinations of pedagogy and technology. E-Education is more than developing computer literacy and the skills necessary to operate various types of information and communication technology. It is the ability to:

- ✓ Applying ICT skills to access, analyses, evaluate, integrate, present and communicate information.
- ✓ Creating knowledge and new information by adapting, applying, designing, inventing and authoring information.
- ✓ Enhancing teaching and learning through communication and collaboration by using ICT

Benefits of E-Education:

- Cost-effective
- Virtual learning environment
- Share lessons among schools

- Reduce material cost
- Reduce travel/accommodation costs
- Consistent
- Central control of content
- Same quality of content for all
- Same quality of education for all
- Media-rich
- Easier to understand & more engaging
- Repeatable
- As many times as you like
- Easier to monitor progress
- less administrative work
- can be more precise

Future of Education Using Technology:

In the modern world today, education has been a vital part of everyone's lives. Education means a formal training in specific areas or fields which would help the person to do well in its corporate, educational, and personal life. In the years to come the concept of education will change dramatically. It would become much more flexible as compared to today's education.

Conclusion:

Technology has had and will continue to have significant impact on education. Technological innovations will have major influence on teaching methodologies over the next few years. In fact technology would become the core differentiator in attracting students and corporate partners.

Online learning is gaining firm foothold in schools, colleges, universities around the world, placing advanced education within the reach of people who might otherwise not be able to access it. Corporate-academic partnership would form an increasing part of university, college, or school experience. To attract corporate partnership, institution will need to demonstrate a commitment towards advanced technologies.

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