Ict In Teaching, Learning & Assessment: Need Of The Hour

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Information and communication technology (ICT) has become common place in all aspect of life. For the past twenty years. The use of ICT has fundamentally changed the practices and procedures of almost all forms of endeavour within businesses and governances. Globalisation and technological up gradation has brought an immense change in different works of life right from the habits of eating till the habits of working and much more of it. Furthermore the challenge change in a country like India where we have mowed from our ancient heritage education system of gurukula to modern day lechno- sauy university education system. It is significant research area for many scholar around the globe. Is nature has highly changed the face of education our the preview few decades. The use of ICT in education Staining had become a priority during the past decade. ICT generally has a positive impact on teaching and learning seductions but compared with the ideal seduction the impact of ICT on teaching and learning must still be considered to be limited (Ramboll, 2006) Therefore the need of the hour is to encourage technology driven education system by the teachers to gain excellence in teaching learning and assessment which would eventually lead to the accomplishment of our long term goal of "Digital India" This shall place Indian economy in a strong position within the Global Economies Hence for ward the use of ICT in education can empower teachers s learners making significant contribution to learning a achievement like many other researchers house already done and many more that are yet to do there significant part. The present paper using ICT in the process of teaching learning & assessment.

Key Words: ICT, Teaching, Leaning, Assessment Internet

We have moved from our ancient heritage education system of Gurukula to the modern day techno sawy university education system today. Education has become all inclusive process cowering, political economic, national etc present in the era of information communication technology (ICT) which made transmission and spread of information most reliable and easiest. The India education system is striving to impart the ever all development of individual and society and enabling the teaching learning community to compete the global market with sustainable growth and development. Teaching learning evaluation is the base and centre of our Education system the monitoring agency like national assessment and accreditation more popularly known as NAAC often emphasized and signifies the process of teaching. Learning and evaluation considering ore of the maybe criterions of 350 points marks among seven indicators of assessment.

The present paper is informative outcome of the discovery in the area of teaching- learning and assessment and sheds ample light on the use of ICT and its vital role in the process of teaching and learning with an example. ICT is an inevitable marker and a part of strategy of any educational institution which wants to cater the teachers students diversity and aims at smooth administration to come eat with potential results from the institution. Information and communication technologies (ECTs)

are a diverse set of technological tools and resources used to communicate and to create disseminate store, and manage information communication and the information are the very heart of the educational process consequently ICT use in education has a long history. ICT has played on educational role in formal.

The role of ICT tools is very wider and has multimensional and multifunctional task as it can be used to " communicate", "to create", "disseminate", and "manage" information on diverse levels- teachers- students, teachers- management, students- management, teachers-students-administration, teachers- students-public, etc. The tools and resources of ICT include all modern inventions in the field of internet, software and hardware tools which are used to communicate throught satellites, computers, mobile phones, tablets and similar devices and also the old day tools like telephone, television and radio. It best to reach a wide diversity of social communities or public.

The process of teaching- learning has become more student centric and its set aim is to produce skilled work- force. The traditional approaches and methods of teaching- learning have witnessed a reformative transformation and its place is occupied by ICT tools such as online smart-boards, projects, laptops, android systems, PCs online lectures tablets, cellular phones, e-readers, web resources and many other software and hardware devices.

Use Of Computer

The lust for quality is still on. This is the age of INFORMATION dominated by the Digital Technology. The Digital Technology has influenced all aspects of human life. Education Is not an exception. Now the technology is in the process of change from Digital to Photon. Shortly Photonic Technology will be available for the use of the society. At present majority of devices are based on Digital Technology. One such device is Computer. The Computer is an electronic device that has the capacity to store, retrieve & process both qualitative & quantitative information fast and accurately. The computers were never developed for improving quality of teaching - learning process. But researchers started using Computers for teaching purpose.

Information Technology

Networking of computers gave birth to Information Technology (IT). UNESCO considered Information Technology as "Scientific, technological and engineering disciplines and management techniques used in information handling and processing, their application, computers and their interaction with men and machines, and associated social, economical and cultural matters". According to Smith & Cambell (1982), a mosaic of technologies, products and techniques have combined to provide new electronic dimensions to information management. This mosaic is known by the name of Information Technology. OECD (1987) treated Information Technology as "a term - used to cover technologies used. in the collection, processing and transmission of information. It includes micro-electronic and info-electronic based technologies incorporated in many products and production processes and increasingly affecting the service sector. It covers inter alias computers, electronic office equipment, telecommunication, industrial robot and computer controlled machine, electronic components and software products."

Information And Communication Technology

It Was Limited Only To The Textual Mode Of Transmission Of Information With Ease And Fast. But The Information Not Only In Textual Form But In Audio, Video Or Any Other Media is also to be transmitted to the users. Thus, the ICT = IT Other media. It has opened new avenues, like, Online learning, e-learning, Virtual University, e-coaching, e-education, e-journal, etc. Third Generation Mobiles are also part of ICT. Mobile is being used in imparting information fast and cost effective. It provides e-mail facility also. One can access it anywhere. It will be cost effective. The ICT brings more rich material in the classrooms and libraries for the teachers and students. It has provided opportunity for the learner to use maximum senses to get the information. It has broken the monotony and provided variety in the teaching -learning situation. The ICT being latest, it can be used both at school and higher education levels

Use Of ICT In Teaching

Teaching at School as well as Higher Education, mostly, concentrates on giving information which is not the sole objective of Teaching. Along with giving information, the other objectives are:

1. developing understanding and application of the concepts
2. developing expression power
3. developing reasoning and thinking power
4. development of judgment and decision making ability
5. improving comprehension, speed and vocabulary
6. developing self-concept and value clarification
7. developing proper study habits
8. developing tolerance and ambiguity, risk taking capacity, scientific temper, etc.

With the present Infrastructure, class size, availability of teachers, quality of teachers, training of teachers, etc., it is difficult to achieve all the objectives. Further, most of the teachers use Lecture Method which does not have potentiality of achieving majority of above mentioned objectives. The objectives are multi-dimensional in nature, so for their achievement multiple methods should be used in an integrated fashion. At present ICT may be of some use. It is a well known fact that not a single teacher Is capable of giving up to date and complete information in his own subject. The ICT can fill this gap because it can provide access to different sources of information. It will provide correct information as comprehensive as possible in different formats with different examples. !CT provides Online interaction facility. Students and teachers can exchange their Ideas and views, and get clarification on any topic from different experts, practitioners, etc.

Use Of ICT In Assessment

At present the paper pencil tests are conducted for evaluating the academic performance of students. These tests are conducted in the group setting. The content coverage is poor and students cannot use them at their own. These tests are evaluated by the teachers and they may not give feedback immediately to each and every student. It may be due to this that students are unable to know their weakness and do not make any attempt to improve upon them. The ICT can be made use in the evaluation. One such attempt has been made by

Sansanwal and Dahiya (2006) who developed Computer Based Test in Research Methodology and Statistics. It has been titled as Test your Understanding: Research Methods and Statistics. This test can be used by individual student to evaluate his learning. The student can instantaneously get the feedback about the status of his understanding. If the answer is wrong, he even can get the correct answer. It goes a long way in improving the learning and teacher has no role to play in it. It is left up to students to use it. Such tests can be uploaded on the website for wider use. The students from other institutes can also make use of it. Not only the students even the teachers can also use it to assess their own understanding of the subject. If used by teachers before teaching the topic, they can prepare the topic properly. Such software can be used for internal assessment. Thus, ICT can be used to improve the quality of pre as well as in-service teacher's training.

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