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for his / her active participation / Presentation of Paper entitled

ICT is a radical changes in higher education.

He / She worked as Chairperson of the Session / Invited Speaker / Raporteur

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ICT Is A Radical Changer In Higher Education

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Abstract

The present age can be called the age of computer internet to which we call (ICT) information and communication technology. Today ICT undoubtedly has made teaching and learning more interesting inspiring and interactive than it was yesterday. Today ICT undoubtedly has made teaching and learning more interesting inspiring and interactive than it was yesterday. With the help of ICT one can avail education even from distant places. The ICT has brought a great revolution in the field of education. ICT has been playing a vital role in enhancing learning in classroom and beyond. It is affecting every aspect of education from teaching-learning to assessment and evaluation. Overall it has improved the effectiveness of higher education. The world is moving rapidly towards digitization and the role of ICTs in higher education becoming more and more vital and it will remain the more vital if we have to make progress and development in the coming time. This paper is a sincere attempt to highlight various impacts of ICT on the present higher education. This paper also argues the role of ICT in bringing the radical changes in teacher-centered learning to contemporary based learning.

Key Words: ICT, higher education, teaching, learning, assessment, evaluation, digitization, development, radical.

Introduction:

Education has become the powerful weapon of progress and development of every human, society and of a country. Without education no nation can become powerful and progressive. in imparting education good teachers have to play an important role. Since the industrial and



scientific development the traditional ways of teaching has also changed. Today we are in 21st

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century the total scenario of higher education has totally changed. The present age can be called the age of computer internet to which we call (ICT) information and communication technology. Today ICT undoubtedly has made teaching and learning more interesting inspiring and interactive than it was yesterday. The era of blackboard or of white board has been replaced by interactive board and projector and with internet facility it has become more updated. Thus these ICT devices are much beneficial in imparting higher education. With the help of ICT one can avail education even from distant places. The ICT has brought a great revolution in the field of education. ICT is a remarkable catalyst for stimulating collaboration, creativity & innovation and brought dramatic changes in the world of work, providing opportunities that would have been impossible to imagine just a few decades ago. The new developments in ICT embrace many technologies and have opened fresh prospect to teaching and learning. Integrating ICT towards better quality teaching and learning is gaining prominence and thereby creating a new learning culture in the educational institutions. ICT is helping innovative teachers to engage their students in rich learning experience with new technologies. Adopting appropriate ICT tools and techniques, keeping in view pedagogy-technology integration will play a key role in this transformation.

The Positive Initiatives of UGC:

The recommendation of UGC has become more relevant and essential in the 21st century India owing to our leadership in ICT. Teaching aids are commonly known as audio-visual aids, are sensory aids which help to make teaching act concrete, effective and interesting. As human beings, we learn through three sources; direct sensory contact, picture or similar representation of facts and oral or printed words. According to Good's dictionary of Education, "These aids are easy things by means of which learning process may be encouraged or carried on through the sense of hearing or sense of sight." (A garwal 46). These



aids are in tune with the inner urges and work as motivating force for energizing learner to learn effectively. In addition, these aids make teaching effective, reduce teacher's talking and give the crystal clear interpretation of the subject matter and save time and energy.

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ICT is to bridge the gap:

It is very clear that the technology has not only enhanced the word of mouth but also the effectiveness of teacher, though it can never replace the teacher or classroom. Yet it has necessitated a change in his role from monolithic repository of knowledge to a multi-skilled facilitator who helps students to navigate through a course program. Technology can also be used to educate school dropout, and out school street children especially in rural and city slums, and females of major minority to bridge the knowledge gap and can break barriers of education.

A teacher must have the qualities like passion, creativity, flexibility, integrity and devotion and zeal to accept the new technology and use it quickly for his or her students so that teaching and learning of student will become entertaining as well as instructing. There is no doubt that in the present time the ICT has been playing a vital role in enhancing learning in classroom and beyond. It is affecting every aspect of education from teaching-learning to assessment and evaluation. Overall it has improved the effectiveness of higher education. Looking to the new technology trends, for transforming teaching learning through ICT technology, teachers will have to develop innovative approaches and programs that stimulate top-down change and can be implemented across a broad range of institutional settings. Addressing these changes, the program offering ought to have relevance, fit for purpose, flexible and adaptable, lifelong learning and needs to be futuristic in nature. As a corollary, we need to transform teaching learning through ICT



ICT is a Radical Changer:

In the traditional learning the emphasis was given on contents and by using the related material of the subject. A teacher supposed to teach through lecture and presentation. But now it is the need to improve the quality and structure of syllabus by including advanced technology and practical approach towards higher education. Now even the role of a teacher has changed; he is no more the content expert only but he has to stand as a mentor. He must teach his student with real life examples. The role of ICT in higher education is recurring and unavoidable. It is a great challenge to integrate ICTs with universities into their strategies and educational process. It

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should be implemented at national and international levels. It will help to improve the quality and flexibility in higher education. The use of ICT has extended the scope of offering the various programs in distant learning. The off-campus learning is a great option for students who are unable to attend the classes in colleges and universities.

It is a good opportunity for students to avail the facilities of education anytime and anywhere. If a nation has wide network of community learning centers equipped with computer laboratories with internet facility and trained staff to access online distance learning; a developing nation can make the whole nation educated in short time. The only condition is that the nation has to be ready with latest equipment' of ICT. Here we cannot forget the role of a teacher for he is the main motivator and initiator of ICT implementation at schools and colleges. A teacher must have the awareness of the social changes in his teaching activities for he is an agent of bringing changes from the traditional method into the modern method. A teacher is also a part of the global change in teaching-learning modification. If we use the ICT in our routine teaching-learning ways, the quality of higher education would naturally increase. The ICT era opened new horizons for innovations, especially in the field of education. Transformation of teaching learning through ICT holds promise for the



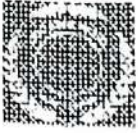
improvement of the learning among diverse learners. Effective use of ICT can go a long way towards enhancing quality of teaching learning, but requires long and sustained efforts.

Finally, in the age of rapid technological changes, teachers will need to adopt changes to keep pace with new methods and technology. It is emphasized that the professional development of teachers and administrators is the key to harness the potential of ICT in education system. We need to realize that the ultimate goal is to create a learning environment in the institution. The next generation educators will have to be creative and innovative in managing and developing appropriate ICT tools and techniques.

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Conclusion:

There is no doubt that in the present time the ICT has been playing a vital role in enhancing learning in classroom and beyond. It is affecting every aspect of education from teaching-learning to assessment and evaluation. The recommendation of UGC has become more relevant and essential in the 21st century India owing to our leadership in ICT. Teaching aids are commonly known as audio-visual aids, are sensory aids which help to make teaching act concrete, effective and interesting. The ICT era opened new horizons for innovations, especially in the field of education. Transformation of teaching learning through ICT holds promise for the improvement of the learning among diverse learners. Finally, in the age of rapid technological changes, teachers will need to adopt changes to keep pace with new methods and technology. The posterity will have to be creative and innovative in managing and developing appropriate ICT tools and techniques.



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Dr. Narendra L. Gadge is an assistant professor of English at Smt. Rajkamal B. Tidke Mahavidyalaya, Mouda. He has been in teaching field since 1998. Since then he has published five anthologies of poems; four of English and one of Hindi. Many of his poems have appeared in international and national journals and books and also in newspapers. He has also attended many international poetry festivals, conferences and seminars and has published and presented many research papers.