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**INDEX**

No.	Title of the Paper	Author's Name	Page No.
1	Effectiveness of Total Quality Management in Digital Libraries with special reference to Library Automation	Mr. Kishor Waghmare	05
2	Screening and Partial 16 S rRNA Gene Sequencing of Keratinase Producing Stenotrophomonas Maltophilia Karuna5 Isolated from Poultry Waste	Prof. Himmatsingh Mahor	09
3	Euthanasia or Right to Die : A Critical Analysis	Dr. Suresh Santani	17
4	Awareness and Use of Massive Open Online Courses (Moocs) by College Teachers in Maharashtra : A Study.	Dr Uday Jadhav	23
5	Impact of NAAC on The Best Practices of College Library Services in Beed District in Maharashtra	Dr. Sanjay Bhedekar	32
6	A Study on Current Education System, New Education Policy Draft 2019 and Challenges Regarding Implementation of 2020 New Education Policy in The Period of Covid -19.	Dr. Bhaumik Upadhyay	38
7	Changes in The Organization after Implementation of Total Quality Management (TQM)	Himbahadur Thapa, Anuj Kumar Gupta, Ikram Qureshi	41
8	Impact of Covid 19 Lockdown Period on Library Professionals in India & Aboard	Devidas Dadpe	48
9	Dissecting Literature with Erik Erikson's Theory of Psyche	Dr. Manjusha Dhoble	55
10	Impact of Evolving Education 4.0 in Indian Education Sector During Covid-19 Pandemic	Tuhin Patra	62
11	Human and Non Human as Counterparts to One Another in Girish Karnad's Naga Mandala	Dr. Sunil Baviskar	68
12	Impact of Covid-19 on Virtual Education System : A Sociological Perspective	Dr. A. N. Gayathri	72
13	A Study on Impact of Working Capital Management on Profitability of Karnataka State Road Transportation Corporation	Mr. Shashidhara D., Dr (Smt.) Chandramma M.	75
14	Importance of Information and Communication Technology in Higher Education in India	Dr. Sanjay Bhedekar	81
15	Effect of Vinyasa Training on Lower Body Strength of Male National Level Yoga Players	Vikas Singh, Prof. Mahendra Kumar Singh	85
16	An Analytical Study of Migrant Labour in Current Covid -19 Pandemic Situation in India	Maharshi Thaker	88
17	Applications of Educational Data Mining	Yugandhara More	92
18	A Dicotyledonous Drupaceous Fossil Fruit Myrtocarpon Ganeshii Gen. Et. Sp. Nov. from Mohgaonkalan, M.P., India	Dr. S.V. Pundkar, Dr. P. S.Kokate, Dr. K.M.Thorat	96
19	Occupational Health Hazard in Maritime Sector-- A Study To Overcome The Challenges	Capt. Mihir Chandra	105
20	Impact of Law and Justice Subject Reading on Higher Educational Libraries in India	Prof. Ramdas Verma	111
21	Oleocarpon Intertrappea Drupaceous Fruit from Deccan Intertappean Beds of Central India	S. W. Dighe, P. S.Kokate	116
22	Diversity of Freshwater Zooplankton at Chankapur Dam Nashik M.S, India	S. J. Salve, M.B.Karwal, D.B.Goswami	124
23	Role of Insurance Intermediaries in Increasing Insurance Penetration in India	Mrs. Aparna Ger	128



## **Importance of Information and Communication Technology in Higher Education in India**

**Dr. Sanjay L. Bhedekar**

(Librarian )

J.B. S. P. M. S Mahila Mahavidhyalay,

Georai Dist.Beed(M.S)

[sanjaybhedekar@gmail.com](mailto:sanjaybhedekar@gmail.com)

### **Abstract :**

*The paper is covered to all parameters on the highlight the impact of information and communication technology (ICT) in the higher education for the 21st century .Education is much more important for the social heritage importance will continue to grow and develop in the 21st century. Information and communication technologies(ICT)have become common place entities in all aspects of life. Across the last twenty years the use of (ICT)has fundamentally changed the practices and procedures of all forms of efforts business and governance. Education is a very socially oriented activity and quality education traditionally been associated with strong teachers having high degrees of personal contact with learners. The use of ICT in higher education lends it self to more student -centered learning settings and often this creates some tensions for some teachers and students. The paper argues the role of ICT in transforming teaching and learning and seeks to explore how this will impact on the specific program will be offered and delivered in the universities and colleges of future.*

**Keywords:** ICT ,Higher education ,Social development

### **Introduction:**

Information and communication technology is a force that has changed many aspects of the way we live. If we can compare such different types of fields as medicine, tourism travels, banking ,law, business, engineering and architecture, the impact of ICT across the last two or decades has been tremendous. The way these fields operating today is much more vastly different from the ways they operated in the past. But when one looks at education, there seems to have been an unique lack of influence and less changed ,There have been a number of factors impeding the wholesale lift of ICT in education across all sectors. These have included such factors as a lack of funding to support the purchase of the technology, a lack of training among established teaching practitioners, a lack of motivation and need among teachers to adopt ICT as teaching tools (Starr, 2001). But in recent times, factors have emerged which have strengthened and encouraged moves to adopt ICTs into classrooms and learning settings. These have included a growing need to explore efficiencies in terms .Computers can be used briefly for academic administration .The following are some areas where computers can be used for effective academic administration eg.

1.General Administration

2.Financial Accounting. 3.Administration of Enrollments.. 4.Shelving and Furniture management 5.Maintenance of Personal Record 6.Library Management System

The Indian higher education system is one of the largest in the world. With only 20 universities and 500 colleges with 0.1 million students at the time of independence, but we now have about 789 universities and university-level institutions and 37,204 colleges as of feb.





2017 and 11,443 stand-alone institution in India. According to a report from Spring board Research, India's education sector will increase its IT spending September 09, 2016 at present higher education sector witnesses spending of over Rs.42,219.5 crore and Rs.26,855 crore was allocated (approx 7.3 per cent increase) is allocated for higher education.

Despite the significant rise in numbers, when it comes to IT solutions in the education market, there is significant scope for improvement in India. Integration of ICT in Indian universities and colleges would respond to the twenty-first century demands.

### **The impact of information & communication technology on learning system.**

Conventional teaching process has emphasized content. So many years education courses have been written around textbooks. Teachers have taught through lectures and presentations interspersed with tests, tutorials and learning process designed to consolidation and rehearse the content. Contemporary settings are now favoring curricula that promote competency and performance. Curricula are starting to emphasize capabilities and to be concerned more with *how* the information will be used than with what the information is as follow.

access to a variety of information sources;

1. Types of information forms and to access sources.

2. Student-centred learning settings based on information access.

3. Learning environments centred on problem-centred and inquiry-based activities;

Teachers are to guides, Just as technology is influencing and supporting what is being learned in schools, College and universities. So it is supporting changes to the way students are learning. Moves from content-centered curricula to competency-based curricula are associated with moves away from teacher-centered system of delivery to student-centered system. Through technology-facilitated approaches, contemporary learning settings now encourage students to take responsibility for their own learning. In the past students have become very comfortable to learning through transmission modes. Students have been trained to let others present to them the information that forms the

curriculum. The growing use of ICT as an instructional medium is changing and will likely continue to change many of the strategies employed by both teachers and students in the learning process. The following sections describe particular forms of learning that are gaining prominence in universities, College and schools worldwide.

### **Students centered oriented learning :**

Information communication Technology has the capacity to promote and encourage the transformation of education from every teacher directed enterprise to one which supports more student-centered models. Evidence of this today is manifested in:

1. Rapid increase the capability, competency and outcomes focused curricula

2. Moves towards problem-based learning

3. Increased use of the Website as an information source, Internet users are able to choose the experts from whom they will learn. The use of ICT in educational settings, by itself acts as a catalyst for change in this domain. ICTs

by their very nature are tools that encourage and support independent learning. Students' using ICTs for learning purposes become immersed in the process of learning and as more and more students use computers as information sources and cognitive tools.

**Importance of ICT in education:****a. Impact of ICT on teachers in Teaching process**

In the past, the role of teacher in an educational institution was a role given to only highly qualified people. With technology-facilitated learning, there are now opportunities to extend the teaching pool beyond this specialist set to include much more people. The changing role of the teacher has seen increased opportunities for others to participate in the process including workplace trainers, mentors, specialists from the workplace and others. Through the educational environment and capabilities of technology, today we have a much expanded pool of teachers with varying roles able to provide support for learners in a variety of flexible settings. This trend seems set to continue and to grow with new ICT developments and applications. And within this changed pool of teachers will come changed responsibilities.

**b. Impact of ICT on students in learning process :**

In the past, education has been a privilege and an opportunity that often was unavailable to many students whose situation did not fit the mainstream. Through the flexibilities provided by technology, so many students who previously were unable to participate in educational activities are now finding opportunities to do so. The pool of students is changing and will continue to change as more and more people who have a need for education and training are able to take advantage

of the increased opportunities. Interesting opportunities are now being observed among, for example, school students studying university courses to overcome limitations in their school programs and workers undertaking courses from their desktops.

**c. Importance of ICT education in students life**

Traditional thinking has always been that technology-facilitated learning would provide economies and efficiencies that would see significant reductions in the costs associated with the delivery of educational programs. The costs would come from the ability to create courses with fixed establishment costs, for example technology-based courses, and for which there would be savings in delivery through large scale uptake. We have already seen a number of virtual universities built around technology delivery alone (eg. Jones International University, [www.jiu.edu](http://www.jiu.edu)). The reality is that few institutions have been able to realize these aims for economy. There appear to have been many underestimated costs in such areas as course development and course delivery. The costs associated with the development of high quality technology-facilitated learning materials are quite high

**Conclusion:**

This paper has sought to explore the role of Information communication Technology in higher education as we progress. In particular paper has argued that ICTs have impacted on educational practices and education policies in higher education to up to date in quite small ways but that the impact will grow considerably in years to come and that ICT will become a strong agent for change among many educational practices. The method of current activities and practices, the continued use and development of ICTs within higher education will have a strong impact on the following :





1. What is learned ?
2. How it is learned;
3. When and where learning takes place .
4. Who is learning and who is teaching.

The outcome of all this activity is that we should see marked improvements in many different types of areas of educational efforts. Learning should become more relevant to stakeholders' needs, learning outcomes should become more discuss and targeted, and learning opportunities should diversity in what is learned and who is learning

**References :**

1. Barron, A. (1998). Designing web-based training. *British Journal of educational Technology* ,29(4),355-371
2. Berge, Z. (1998). Guiding principles in web-based instructional design. *Education media international*,35(2),72-76.
3. Collis, B. (2002). Information technologies for education and training. In Adelsberger, H., Collis, B, & Pawlowski, J. (Eds.) *Handbook on technologies for information and training*.
4. Duffy, T., & Cunningham, D. (1996). Constructivism: Implications for the design and delivery of instruction, *Handbook of research for educational telecommunication and technology*, MacMillan New York, 170-198.
5. Freeman, M. (1997). Flexibility in access, interactions and assessment: The case for web-based teaching programs. *Australian Journal of Educational Technology*, 13(1), 23-39.
6. Jonassen, D. & Reeves, T. (1996). Learning with technology: Using computers as cognitive tools. In D. Jonassen (Ed.), *Handbook of Research Educational on Educational Communications and Technology* (pp 693-719). New York: Macmillan.
7. Kennedy, D. & McNaught, C. (1997). Design elements for interactive multimedia. *Australian Journal of Educational Technology*, 13(1), 1-22.
8. Laffey J., Tupper, T. & Musser, D. (1998) A computer-mediated support system for project-based learning. *Educational Technology Research and Development*, 46(1), 73-86.