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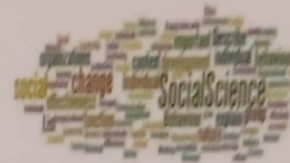
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## Address

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26	Recent Methods, Principles and Aspects of Teaching Pronunciation to the Learners of English as a Second Language. <b>Dr. D. S. Choudhari</b>	115-118
27	The Positive Effects of Yoga on the Players <b>Dr. Chandrakant B. Satpute</b>	119-121
28	Effect of Direct Benefit Transfer during Covid-19 <b>Neha Kumari</b>	122-124
29	Impact of Cryptocurrencies on the Indian Economy <b>Dr. Vijaykumar R. Soni</b>	125-127
30	Linguistic, Science and Society <b>Gawande Vishnu Balkrishna</b>	128-130
31	Indian Cyber Security: A Critical Review <b>Dr. Suresh G. Santani</b>	131-135
32	Legal aspects of Sustainable Development in India <b>Ms .Preeti Tukaram Pawar/Sawale, Dr.Ujwala Shinde</b>	136-139
33	A General study on Air Pollution – Causes, Effects and Control Measures in India <b>Archana Vasantrao Salunke</b>	140-145
34	Education And Sustainable Development <b>Dr. Sachin Gautam Ingale</b>	146-151
35	A study of The Impact of Computerized Accounting System On Small Scale Enterprises In India <b>Mr. Gunge Balasaheb Ananda</b>	152-154
36	Tribal Women In Politics <b>Neetabehen F. Vasava Dr. Ravindrabhai Pancholi</b>	155-158
37	Use of ICT in Teaching Learning Process <b>Asst. Prof. Smt. Varsha B. Kharobe.</b>	159-162
38	A Study of Indian Money Market <b>Dr. B. S. Pawar</b>	163-166
39	Education As A Means Of Empowerment Of Women <b>Garima Bhati</b>	167-174
40	War and Literature: A Study of Selected Twentieth-Century War Novels <b>Jadhav Ganesh Shankarrao</b>	175-178
41	A Literature Review Of Impact of Interaction On Student Satisfaction In Swayam-India's Technology Enabled Higher Education Programme. <b>Dr. Ashish S. Hattangdi</b>	179-183
42	A Study of Unicorn Start-Ups And Its Impact On Indian Economy <b>Borade Snehal Bhagvant</b>	184-186
43	A Study of Impact of National Education Policy- 2020 on Related Factors <b>Dr. Rajesh Goje, Dr Tryambak Joshi</b>	187-190
44	Optimization of Process Parameters For Improved Production of Biomass Protein From Saccharomyces Cerevisiae Using Saccharified banana Agro-Waste <b>Sunita Ramlu Mukkawar</b>	191-194
45	Importance of Ecosystem In Environment: A Review <b>Dr.Hema Digambarrao Makne</b>	195-197
46	Green Synthesis of 2-Substituted Benzimidazoles <b>Arshia Parveen</b>	198-201
47	Synthesis, Characterization, and Antibacterial activity of Schiff's base, 2[(E)(4-methyl phenyl) imino methyl] Phenol] Metal (II) complexes and their Environmental Application <b>Miss. Fand Vaishali Bhaskar</b>	202-205
48	A Study of the Financial Problems of Gram Panchayat in Latur district of Maharashtra State <b>Mr.Narendra Ramakant Chole, Dr. P. D. Shelke</b>	206-211
49	Role In The Study Of Various Medicinal Plants Found In Mukhed Area Dist. Nanded Maharashtra <b>Ambulgekar U. V.</b>	212-214
50	Employee Engagement And Industrial Relations In Textile Mill With Reference To Kolhapur District <b>Miss. Shruti Dattatraya Kende</b>	215-218
51	Digital Banking - A New Paradigm In Banking Sector <b>Prof. Dr. R.S. Pawar , Mr. A. K. Pawar</b>	219-223

## Use of ICT in Teaching Learning Process

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**Abstract:** Now a days, In Higher education, ICT based teaching is most important for effective teaching & learning process. The effectiveness of this ICT technology in teaching & learning process or classroom, there is a challenge to teachers & administrators. For the best results of ICT integration, strong desire in teaching staff & management. The ICT includes some innovations like internet, E-learning, online form, online adds, get quick information of what you need etc. Therefore, the teaching staff & management are convinced the importance of using ICT in their teaching & learning process. In this paper, we studied the uses of ICT in teaching & learning process. This paper shows positive impact of ICT but apart from this, there is some negative impact of ICT which is addiction and causes serious health issues so we should be aware about that.

**Keywords-** Higher education, Effectiveness, Teaching Learning, ICT

### Introduction:

ICT is an electronic phenomenon which capture, process, store & communicate information. ICT is very important in the classroom because it facilitates teachers & students to collect information, retrieve & also enhance independent & active learning. The vast means of ICT includes computers, cell phones, television, audio-visual devices etc. that means ICT is any device that access, manage, evaluate, create & communicate information & any of the knowledge. Now in a modern society, ICT is one of the important building blocks in a short time (Daniel 2002). For the effective teaching learning process, ICT is one of the basic important components. According to Pelgrum & Law (2003) concluded that, in the end of 1980's, IT is the important key which is replaced with computers whose main focus on to store & retrieve information.

### How ICT improves Teaching Learning process –

Several studies show that, new technologies used in classrooms are very much essential for students to add a much more knowledge in their information age. The is now from one way to two way communication & teachers students are participating in classroom discussion. Now days, the education is child centric so teachers should ready to use different technologies to make teaching learning more interesting. For effective application of some student related activities such as project based learning which push the student's active researchers & it becomes an appropriate tool for ICT. ICT has become a better thing for students because it gets softer communication, presentation of their ideas & things more effectively & better way. ICT students look for information from multiple sources & they are much informed than before, so ICT much more important for teacher education.

ICT has three Objectives-

1. It is used to teach students to their daily life.
2. It is used for skills professional or vocational purposes.
3. It is used for improving the teaching & learning methodology.

### Use of ICT in learning process

#### Mobile Learning. ...

1. Access to Education. ...
2. Deeper Learning. ...
3. Continuous Feedback. ...
4. Unlimited and Immediate Learning. ...
5. Creation and Contribution. ...
6. Social Connectedness.
7. Global Awareness
8. Understanding Learning

### How ICT improves teacher education

In our society various changes needs for our educational practices and also in our teachers education. Teachers education need latest technology and also values of skill related teaching. For teachers education now there are very much courses are arranged like orientation courses, correspondence courses, micro-teaching and team- teaching are also used. Increasing teacher's ability for specific professional

development to use ICT for individualized instruction, formative learning assessment, to collecting online resources and for speeding student interaction and collaboration.

#### Different ways for implementing ICT in teacher education-

1. Provide Proper infrastructure and technical support.
2. Implement all subjects as ICT based.
3. Arrangement of pre-service teacher education training program.

The Devices or Tools used in Information & Communication Technology are Cell Phones, Cell Phone Towers, Computer, Software, Radio, Video Conferencing, Laptop, Television, Internet etc.

Few are explained with figures.

1. Internet is the most important tool of ICT based teaching learning process. The computing industry includes internet, computer hardware and software for various means. It is a worldwide system of interconnected networks useful for everyone. For example, in a class there are 5 students out of 10 using an internet facility while teacher is teaching?

Email is important service available on the internet. It sends Email attachments like pictures, documents, important files to multiple Email addresses.

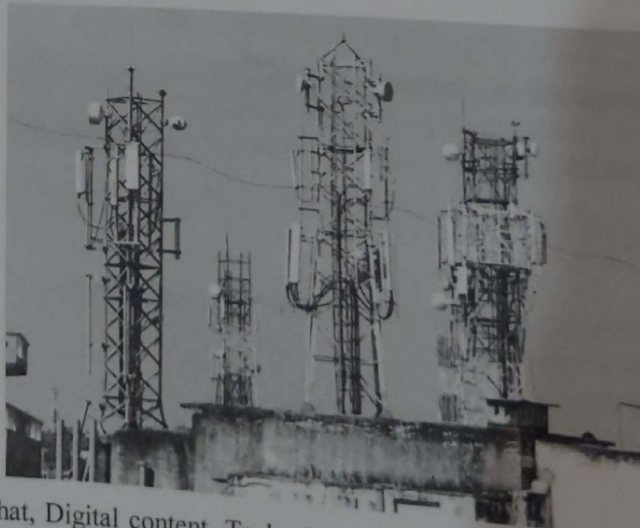
Telephone on Internet is another service possible by the internet. So Internet is the most important tool in the form of complementary activity.

#### TOP TEN INTERNET USES

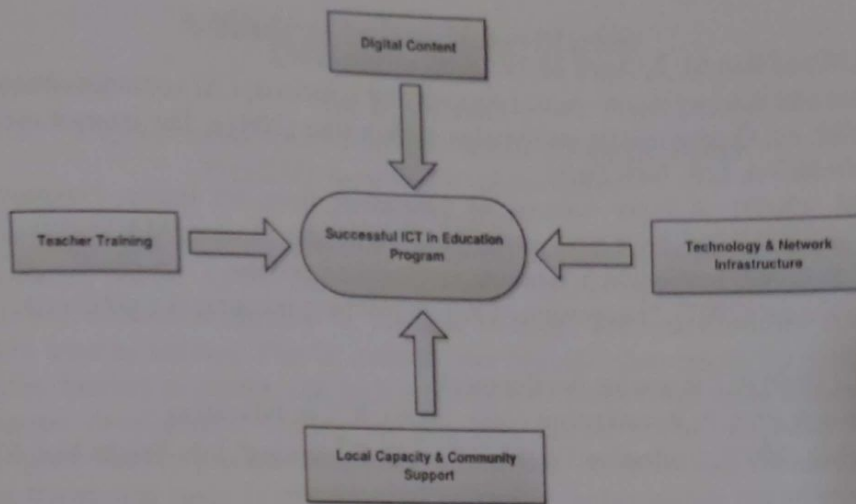
1. E-mailing
2. Internet Researching
3. Blogging
4. E-books
5. Web-questing
6. Networking
7. MapQuest
8. Podcasting
9. Internet Shopping
10. Career Networking



2. Another example of ICT tool is Telecommunications. It means, it is an electronic device through cellular phones, audio, video, radio and many more. We always know latest information and news from all these media. For example, when we call our father, who stays far away from us, we get all information of their health and many more things related to them because of this media. So it is also an important tool of ICT.



Lastly we studied that, Digital content, Technology and network infrastructure, teacher training and local capacity & community support, these four are the main key points to the successful ICT in education program.



### In 21st century, ICT Role in teacher education -

1. It helps teachers to improve innovative teaching skill.
2. It helps in effectiveness of classroom.
3. Teachers have all knowledge of their subject because now a day student's minds are more competitive.
4. It helps teachers to improve their skill in classroom and make students future oriented.
5. It is important line to cover the gap between teacher and student because of communicate properly to students.
6. It helps teachers to design educational related activities and proper environment.
7. It helps teachers to identify creative mind child in classroom.

### Impact of ICT:

#### Positive Impact:

ICT is very much important for teacher's improvement in teaching learning process. ICT teaches teachers in many important ways and teachers get support when they needed. ICT has improved teaching learning process. It is important for teachers that, teachers give attention to ICT as an important tool at school level for improving student's skill development and concentration in classroom. With the help of ICT, Teachers also have a benefit of preparing other important work with teaching learning sources such as preparing reports, some extra work etc. which saves the time. If we see that, ICT would make teachers more passionate and creative in their work over short period of time. Some ICT forms are, use of Internet, audio-visual aids, it increases the capacity to work together in a classroom which is comfortable for teachers than the direct learning, which difficult for teachers for some extent. Using ICT tool like Internet, when teacher teaches, students open same page according to that topic on Internet, it is undisturbed for teachers to explain, so they will not waste time for giving some own examples of there. In Positive point of view, ICT is very much important tool for teachers and students in their teaching learning process.

#### Negative Impact:

ICT affects on society specially education. In positive Impact, we already studied that, ICT is very much important tool but ICT has also a negative or very bad impact on our educational system. When are using ICT care should be taken that, this will not affect on our personnel and social domains. ICT tools which can be used that gives us information, links and news but when we are using these things, give attention on that, we may not suffer health problems. ICT cause more effect on students. Students not interested the way teachers teaches, they focused on twitter, face book. It affects results in their class and their behavior among teachers in school. The study shows that, ICT has some Negative impact also so, use ICT in a proper way.

#### Conclusion:

In today's fast forwarding and interconnected world, ICT is broadly used by our country and it affects on our daily life. ICT has an increasing trend towards the education based processes in our institutions. According to the study, it proved that ICT is a best communicating tool for innovative education to develop effectiveness. In today's life, ICT has many benefits for the younger generation in that specially students. Student who have done part time job can also find some time to do college work. In India, teachers now update with new knowledge, ideas, and skills to use for the effective teaching method. ICT is most important thing for rapid change in our society. It changes the overall nature of education, student's enrollment and teaching learning process.

**References**

1. Agrawal, N.M and Rao M. R., April 28,16,17, Mumbai(2007).
2. IT education and industry needs- gaps, concerns and solutions, CMI communication
3. Ahmed, Tufail, ed. Omega magazine and Madhu malhan Rao (2007): The internet economy of India 16-18, Inno media Pvt. Ltd., New Delhi
4. Bharti, K. M. (2008). KT for Success of Education from an Indian Perspective. In *History of Computing and Education I (ICED)* (pp. 147-157). Springer, Boston, MA.
5. Chaudhan S. S. (2002) Innovation in teaching and learning process.
6. Dash Manoj Kumar (2007), "Integration of KT in teaching learning is a challenge." *Edu Tracks* Vol.4 No. 27(1).
7. Dash, K. M. (2009) KT in teacher development.
8. Prof Muralidhar A Prof. A. Ramakrishnan (Jan. 2008), KT in Education
9. Rathore Rakesh (2007), " Effective Teaching through E-learning" *Edu Tracks* Vol. 4 No. PP 6-9.