**RESEARCH PAPER**

## The Impact of Information and Communication Technology on Teacher Education

### Arjun Das
Rashtriya Sanskrit Sansthan, Sadashjva Campus, Puri
Email: arjund41@gmail.com

### ABSTRACT

In the era of globalization, ICT contribution is significant in the field of teacher *education. Through mentioned article, it has been shown that some aspects of whole teacher education have been influenced by ICT. But at the beginning of the discussion it is better to say that the impact on the teacher education system is mainly highlighted: Academic, Administrative, Curriculum, Teaching-learning process, Evaluation etc. on the field. The main objective of this article is to make the teacher education process interesting and encouraging through information and communication technology. At present, in the modern student centric education system, this article has tried to increase the excellence and acceptance of the large community student, teacher and society. Above all, this article has discussed some of its good and bad aspects of its effect on teacher education.*
**Key word**: *information and communication technology, teaching learning process, teacher education.*

## INTRODUCTION

Everything in the current era is related to science and technology. It also has a great deal of use in education. It is very popular for teachers and students. Currently, there are a lot use of computers, projectors and internet in maximum teacher-training institutions. However, if the teacher and the student do not have proper knowledge about the ICT, the problem is created. College authorities have used it in different fields, such as, teacher's joining, campus planning, communication with NCTE etc. Many people abuse enough of ICT.Impact of ICT**:** Teacher, student and teacher education system all are affected by ICT. There are both type of impact, positive impact and negative impact. Many other abuses them for personal interests. These topics are described here in details.

## POSITIVE IMPACT

### TEACHING-LEARNING PROCESS-

**1. Attractiveness:** ICT makes teaching-learning methods more interesting. Student become more attentive for teach through various modern instrument.

**2. Relation Between Teacher and Student:** The relationship between teacher and student has increased due to the use of ICT. Teachers and students' bond have become stronger due to the absence of boredom in the present day.

**3. Student Centric:** ICT has also influenced on student centricity. Because, as far as the understanding of the students is understandable by the book, it is now more understandable.

**4. Practice Teaching:** Learning design that requires students to practice teaching is downloaded from the university's website. Student also take the help from the internet in making different model charts and learning design.

**5. Sophistication:** This is an important point. Earlier, when the teaching was taught only by the textbook, students would not have wanted to know more than teachers. But today, students are more interested in teaching through ICT and they want to know more than teachers. As a result, both increase the knowledge level.

## STUDENT

**1. Self-Learning:** Students take help in different ways during self-learning. Such as WhatsApp, email etc.

**2. Increase of Concentration:** It is seen that students are more interested in studying through mobile, laptop etc. as much attention as they read books. This increase the level of their knowledge.

**3. References:** When the students first saw the book itself, they could not know which book was good on any one topic. But now they are seeing different references at the same time due to the internet usage. They can also read pdf file of different books from the internet.

**4. Positive Mentality:** After getting the information from the books, students are match by the internet. This process increases their mental strength.

**5. Healthy Competition Between Students:** Increasing the level of knowledge among the students as a result of the use of ICT, the knowledge competition is also increasing. Because they are always trying to more than each other.

**6. Assignment:** The whole part of the assignment is not always in the book. Then the students took help of the internet which not have been at earlier stage.

**7. Group Study:** The talk of current age students is discussed through phone calls, WhatsApp, email etc. Earlier, group study happened at college campus.

## TEACHER

**1. Creativity for Practicum:** Teachers do not just help in the book while doing practicum. He takes help from the internet. As a result, student can learn new things.

**2. Gathering Knowledge:** During the study of theory, it is often seen that there is no complete thing in the book. To solve this problem, the teacher takes references from various internet sources.

**3. Self-Confidence:** Teachers like students increase self-confidence by using ICT. Because when teachers teach through the projector or different ICT tools in the class, it is felt inside that the students are learn better.

**4. Seminar:** During the seminar ICT used to create PPT. Earlier, the speech was given by only mouth, there is now a special advantage in the matter of being a PPT. Audience also understand better.

## ACADEMIC & ADMINISTRATIVE

**1. Teacher Attendance:** Earlier, the teachers used to sign the sign book. But now many colleges have become biometric systems. There is no need to sign the sign book.

**2. Programme Arrangement:** Computer and internet support in different types of programs such as seminar festivals etc.

**3. Evaluation:** The evaluation process has improved greatly due to the use of ICT. Students can download soft copy of exam routine and marksheet from the university website. As previously mentioned the questionnaire was given at the press by hand writing, but now typing on the computer and given the soft copy.

**4. Clerical Work:** Previously all the clerical work at the college and university was done by hand, but in most cases, it was now done with computer.

**5. Observation on Student:** The use of CCTV cameras in different colleges has been started for observing students.

## MANAGEMENT

**1. Teacher's Joining:** Most of the work of teacher's joining, such as advertisement on website, contact with by phone calling, appointment letter etc. have the effect of ICT.

**2. Contact with Higher Authority:** Internet and computer are used when communicating with university and NCTE.

**3. Campus Planning:** Computers are used for building and other plans.

## DISTANCE EDUCATION

**1. Alertness:** Various issues have been alerted to student through email such as, form fill up, assignment, exam routine, workshop schedule, dissertation-(viva, submit the proposal) etc.

**2. Contact with Guide:** Earlier, M.Ed. students went to study center to contact the guide. But now they use phone calls, WhatsApp, email etc.

## HIGHER EDUCATION

**1. Dissertation:** M.Ed. students took great help from computers and the internet while they are making the dissertation.

**2. M.Phil. & Ph.D.:** The biggest discovery for M.Phil. & Ph.D. is the SPSS software. This can be done quickly and accurately to solve various statistical problems. Students take help from various online journals and websites while sitting in the house. This results in both time and physical work saved.

## NEGATIVE IMPACT

**1. Costly:** The initial cost of various equipment of ICT is huge. Which cannot be carried out in many colleges.

**2. Digital Deviation:** This is a very big problem in the field of ICT. Teacher, student and colleges all suffered from this problem. All teachers and students do not know the perfectly use of ICT due to various reasons. Digitalization made this difference between them.

**3. Use of Library:** The use of ICT has reduced the habit of going to the library. They do not want to waste time anymore. But many people do not know that everything found in the books is not available on the internet.

**4. Students Irregularity:** The use of ICT has reduced the level of the student coming to college because they know most of the college activities through phone calls and WhatsApp. As a result, they are lagging real education.

**5. Leaked Question Paper:**

At present, there is a big problem in B.Ed. colleges in West Bengal that the question papers are leaked out before the examination. Generally, the question papers are leaked half an hour before the examination, and it spreads quickly through the students via WhatsApp.

## CONCLUSION

Finally, it is said that ICT has improved the entire teacher education system considerably. Although not able to bring the teacher education system. There are some vulnerable people who misuse it. If this problem can be overcome, ICT can more improve the teacher education system.

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