



APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGY IN TEACHER EDUCATION PROGRAM

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Abstract

Learning means the permanent changes in behavior, with this concept we always focused in outcome based learning and for proper outcomes there should be an effective Teaching-Learning process. So along with learners teachers are very crucial in the Teaching- Learning process. So there is a need of well trained teachers which are technically literate. In this period of globalization in every sector technology is an integral part, so there is a very significant use of Information and Communication Technology (ICT) in educational field. As with the help of ICT Teacher Education Program also can be enriched. Even along with different educational policies NEP 2020 also highlighted on the use of technology in education and especially in Teacher Education program. ICT is applicable in many areas of Teacher Education program such as effective teaching, materials preparation, use of smart class, ppt, video etc. so the use of ICT is undoubtedly significant in Teacher Education Program.

Keywords: Teaching-Learning process, Technically Literate, Globalization, Effective Teaching, Teacher education.

I.Introduction

In education system teaching learning process is very important and along with this there are three main components are there: Teacher, Students and Infrastructure. In this age of science and technology we can think out of the box because we have new and updated technologies. In the field of education also we are now familiar with this technology. As we know that learning outcomes depends on the teachers, teaching technique and student interest etc. but we cannot deny the impact of technology in learning outcomes today. The aim of the present education system is to produce learned and effective human resources for future purpose of the society. So teachers are crucial in this regard and they are the only influencer who can motivate or educate students directly. To fulfill these objectives there must be trained and learned teachers, who can perform different activities effectively. Now-a-days with the use of Information and Communication Technology makes it more effective. ICT is a continuous changing system and it prepares future generations to welcome more advanced system in education. Different educational policies also focused on this Teacher Training Program. Even the new education policy 2020 also gives preferences in Teacher Education and use of Information and Communication Technology (ICT) in this type of teacher educational program. According to NCTE(1998) also point out that the teacher is very important in any kind of educational program. Teachers

are responsible for implementation of the educational process. Even in the National Curriculum Framework (2005) highlighted different areas regarding development of Teacher Education Program. ICT is very important for designed learning situations that are helpful for vocational education and the training of the teachers. Teachers will bring an improvement in student's life with a strong teaching method that makes it successful. Recently Computer Assisted Learning (CAL) is used in different educational Institutions to acquire knowledge and for other instructions also. During last pandemic situation due to COVID 19 we realized the importance of ICT in educational sectors. So a good Teaching-Learning process truly depends on a good teacher who is educated, knowledgeable and can use technology effectively.

II. Significance of the study:

As we are living in 21st century so use of ICT is very relevant today. Different online programs are there where ICT is the only media to communicate and even academic courses can also be continued by using ICT. Recently Teacher Education is a burning topic because it is the base from where the future of a nation will rise, so effective teachers should be there for effective learning outcomes and it cannot be achieved without ICT. ICT is very important for Faculty Development Program also that makes teachers more technically sound person. So knowledge of ICT and application of ICT in Teacher Education Program in present day is really significant.

III. Objectives of the study:

Objectives of this study is –

1. To find out the significance of ICT in Teacher Education Program.
2. To find out the areas in Teacher Education Program where ICT is used.
3. To find out the importance of ICT to improve Teaching-Learning Process.

IV. Methodology:

This is a theoretical study so Secondary sources of data from different articles, research papers; websites etc. were used for this study.

V. Significance of Information and Communication Technology in Teacher Education Program:

ICT is very important in every areas of education. From school education to Higher education, in every sector ICT is a necessary part and obviously Teacher education program also cannot be excluded from this. So the Significance of Information and Communication Technology in Teacher Education Program is discussing below. :

1. Information and Communication Technology makes Teaching-Learning Process more fast and effective.
2. Communication in educational institutions comprises two factors: Stimulus and response. In both cases ICT is undoubtedly significant.
3. ICT helps in diversified teaching process that is very helpful for learners.
4. Recently e-curriculum is very important in teaching learning process and ICT plays a significant role here.
5. In different online platforms also ICT is very important as it is fast, easy for teachers and learners, 24x7 accessibility etc.
5. Sharing of study materials for different online even in offline courses also ICT is significant.
9. ICT is very important medium for virtual interactions.
10. ICT helps in proper utilization of human resources, learning materials etc.

11. In faculty development programs, teachers training programs ICT is very important and truly applicable.
12. In the proposed DIGITAL INDIA program mentioned by NEP 2020, ICT is a significant tool for development of the education system, teacher education program.
13. Demo class, presentation, lecture in classes in every field for teacher trainees or future teachers ICT is applicable.
14. For the development of professional qualities among teachers ICT is very important.
15. In different technology based education platforms like DIKSHA, SWAYAM, PARAKH Information Communication Technology is very relevant.
16. ICT is very effective and useful in online evaluation program.
17. In classroom to make the lesson effective and fruitful, ICT is undoubtedly significant.
18. ICT helps to develop multiple abilities among teachers.
19. ICT is very important in effective teaching and Global communication.
20. Skill development is very important for teachers, ICT helps in this process effectively.
21. ICT helps in interaction over a physical distance also.
22. ICT helps teachers to control their lesson which is very significant in classroom having different students with different understanding levels.

VI. Conclusion:

For a better society well educated human beings are required. Today's students will become the future resources for our society and there is no doubt that teachers will guide them. So along with proper subject knowledge, attitude Teachers must need training that will make them stronger in their field as they can develop different skills also. So Teacher Training program is very relevant and significant now-a-days. Presently in this period of technological advancement the use of Information and Communication Technology is everywhere and it should not be mentioned that Teacher Education program is not excluded from it. So for proper Teaching –Learning Process, effective Teaching and for proper learning outcomes we need Technically Literate Teachers who can contribute maximum in educational research and teaching –learning process.

VII. References:

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