



## ROLE OF ADVANCED ICT FOR FUTURE TEACHER EDUCATION

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### Abstract

*Information and communication technology has become mandatory in thing in our life. From last twenty years use of ICT has changed a lot. In education field use of ICT is being done very much now a days but the impact of it is very less compare to other field. Education is a very social activity and quality education can be given only if good teachers with the personal contact with the learners are in place. Therefore the use of ICT in education will help more student centered learning for the teacher. Online learning as part of ICT helps in constructivism in higher education and above. In this way ICT in teacher education is becoming very important and this importance will keep on growing in twenty first learning.*

*Key words: 1. Constructivism, 2. higher education, 3. online learning.*



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### Introduction

As a part of international conference on future teacher education to discuss on role of ICT in teacher education, it has become very important for teacher educational institution to teach the future teacher to be updated with the latest information and communication technology so as to be a smart teacher rather than a black board teacher. With the help of implementation of proper ICT by the teacher will make teaching learning process will be interesting.

“It is the scientific technology and engineering discipline for management of information.”(UNESCO)

### Background

Now a day's information and communication technologies are becoming very pervasive in the society which is ultimately reaching to schools and college. With many advancement in ICT it is very necessary for teachers to have working knowledge of these media and there influence on the learning and development of students. ICT is very dynamic and keeps on changing every day. This paper is an explanatory case study of the role of ICT for future teacher education as well as their expectation towards learning ICT and using ICT in future classroom teaching. The ICT should be used as a tool for a research, evaluate and communicate by teachers. Current problem is not how to implement the ICT in the school or college but it is how and for what purpose it should be used.

### Need And Importance Of The Study

In traditional teaching process more importance is given to content. The course is written in text books for many years. Due to which students are lacking behind the progress taking

place around them there for ICT helps us to overcome such a problem. With help latest technology gadgets ICT has reached to remote areas. Because of ICT whole world have become a small village where no information is limited to owner or source rather it is easily available on the internet for all. So making use of internet, students and teacher can keep them updated with latest knowledge and happening around them.

### **Objectives Of The Study**

- 4) Unlike today's teaching method we can have more student centered teaching process with help of ICT.
- 5) Multiple knowledge sources are easily available for any single topic.
- 6) Interactive distance learning.
- 7) Reduce human effort and physical teaching aids tools.
- 8) Teacher can have centralized data base of students.

### **Objective Wise Description**

- [1] In traditional education system curriculum is designed teacher centric but due to ICT trend has changed and curriculum is now student centric. With the help of many tools and aids teaching process can be made more interactive and simple. Also syllabus is not limited to text books only where else we can explore many new things from the internet learning related to syllabus.
- [2] Due to the introduction of internet and its wide use students have multiple options to get the knowledge and understanding about any topic. Earlier information was very limited which was available in books and that was also costly. Now we can subscribe for many useful ebooks free of cost.
- [3] Due to advancement in ICT we need not worry about taking admissions to any geographic location for any course. With the help of virtual classroom video conferencing and lecture video we can attend the class from home or different geographic location. For study purpose we can access online tutorials and upload or assignments to the lecturers sitting at remote location. For assessment there is no need to go to dedicated examination center. Instead of that we can enroll for the online assessments.
- [4] Because of availability of video conferencing, online video, virtual class room teacher do not need always to go to schools or colleges neither the students which ultimately reduces lots of human effort and time. Instead of using physical tools we can teach students with the help of animated or simulated videos.
- [5] With the help of computer laptop teachers can well maintain student data like personal details, academic details, attendance, extra co-curricular activity, sports activity and many more thing. This will helps teacher easily analyze each student's strong and weak areas to work upon. With the help this database teachers can prepare well calculated progress reports of the students and share them with their parents.

### **Findings**

- a. From the above all discussion we can say that due to implementation of ICT in teacher education system things have drastically changed and big reform has happen in conventional education system.
- b. Communication gap between the teacher and student teachers have reduced due to the use of social media.
- c. Teacher education has become cost effective and practical oriented.

- d. Teacher efforts of evaluation, teaching, maintaining student record has reduce and teachers are able to give their best quality time and knowledge to students.
- e. ICT is helping teachers produce skilled and smart students who will be future of country instead of book worm.

### **Conclusions And Discussions**

- 1) If ICT used in proper manner it will prove to be the best boon in teacher education system.
- 2) Like the advantages there are also many disadvantages of the ICT.
- 3) ICT has increased the overall efficiency of teachers and students.
- 4) ICT is emphasis on practical knowledge rather than theoretical.

### **References**

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