

# ICT Enabled Classroom for Creating Independent Learner: Issues and Challenges

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**Abstract:** The draft of NEP 2019 has clearly mentioned in 12.1. Innovative and responsive curriculum and Pedagogy, that the institution must ensure optimal teaching learning environment for upgrading the status of the education. The integration of information and communication teaching and learning provides better chances for teachers and students to work better in current scenario of education. But multiple barriers exist in the way of integrating ICT in the classroom. This paper is focused on identifying such barriers popular ICT enabled tools and suggestions for using such ICT tools for effective teaching-learning process

**Keywords:** Information and Communication Technology (ICT) enabled classroom, Barriers, Learner

## I. INTRODUCTION

Late Dr. APJ Abdul Kalam was a huge advocate of education as the primary driving force. He believed that our education system requires certain responses, both in terms of spirit and practicality of the knowledge imparted. He also believed that the education system is still in the minds of students, capacity of enquiry creativity, technology, entrepreneurial & moral leadership. If we develop in all our students these five capacities we will produce "Independent Learner".

Independent learner can be produced in the healthy teaching-learning environment by skilled teachers and infrastructure equipped with modern technology based learning system. Keeping such as aim in mind digitization of education has been done. ICT enabled classroom includes computers, projectors, speakers, touch pad-pen, learning software and mobile applications. ICT used in the classroom is important for giving students opportunities for effective learning. In current scenario, it has been observed that application and adoption of ICT in nation at all levels, would definitely contribute and enhance its productivity, effectiveness and procedural growth.

The integration of information and communication teaching and learning provides better chances for teachers and students to work better in current scenario of education. But multiple barriers exist in the way of integrating ICT in the classroom.

ICT in the context of the paper refers to the use of Information and Communication Technology tools used in the teaching learning process such as LCD projector, Smart class etc.

**Independent Learner** refers to a type of learner who has the ability to explore the concept and knowledge on the basis of motivation provided through effective teaching method, inquiry based learning and teaching strategies including use of ICT in the Classroom.

**Barriers** refer to the problems faced by the teacher, the learner and other stakeholders, in the ICT enabled classroom. Such barriers include – lack of proper training, lack of interest and awareness, rigid curriculum, exam oriented approach etc.

## II. LITERATURE REVIEW

Even there are a number of difficulties which act as barriers and prevent teachers to integrate ICT into the classroom. As Schoepp defines, a barrier is considered as any condition that makes it difficult to make progress or to achieve an aim [2]. A number of different ICT tools and applications may be integrated in teaching and learning. The process of using ICT in everyday education is very complicated. The opportunities provided by ICT to support teaching and learning are not problem-free. The virtually limitless opportunities of access to information in an educational context

193

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