

## Chapter 12

# The Issues and Challenges Faced by Faculty Members for Using Information Communication Technology

**Simerjeet Singh Bawa**

*Chitkara Business School, Chitkara University,  
India*


**Rajit Verma**

*MM Institute of Management, Maharishi  
Markandeshwar University, India*


**Sunayna Khurana**

*MM Institute of Management, Maharishi  
Markandeshwar University, India*

**Ram Singh**

 <https://orcid.org/0000-0002-6565-3091>  
*MM Institute of Management, Maharishi  
Markandeshwar University, India*


**Vinod Kumar**

 <https://orcid.org/0000-0002-3578-8155>  
*MM Institute of Management, Maharishi  
Markandeshwar University, India*

**Meenu Gupta**

*MM Institute of Management, Maharishi  
Markandeshwar University, India*

**Mandeep Kaur**

 <https://orcid.org/0000-0002-4736-8991>  
*MM Institute of Management, Maharishi  
Markandeshwar University, India*

**Makarand Upadhyaya**

*Department of Management and Marketing,  
College of Business Administration, University of  
Bahrain, Bahrain*

### ABSTRACT

*There are several challenges with ICT use in education, notably moral and legal ones. Both educators and learners ought to have a basic awareness of the challenges and issues related to using ICT in the classroom. In respective capacities as teachers, students, or potential teachers, they must be beyond criticism. Incorporating modern technology in education is essential in the digital world, according to an increasing number of studies. Teachers and students have a lot more opportunities to collaborate online since educational programmes incorporate information and communication technology (ICT). However, various obstacles could make teachers hesitant to use ICT in the classroom and hinder them*

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*from introducing supplementary materials. Examining the challenges associated with implementing ICT in education can help educators get over them and incorporate the technology into routine instruction. The objective of this chapter is to learn more about how teachers view the obstacles and difficulties that impede them from integrating ICT in the classroom.*

## **I. INTRODUCTION**

Information and communication technologies (ICTs) have developed quickly in recent years and have a profound impact on how the world functions and communicates. Due to rising temptation to invest in new technology, this seems to have had an impact on the demand for educational and training services in terms of both material and delivering manner. ICT choices are emerging, allowing decision-makers a broader choice from which to pick when integrating ICT into education and training. Technology's use as a tool to improve the various linguistic competence has attained a lot of attention because teachers are frequently exposed to new ways. In addition to syllabus updates that are formally approved—typically by the Ministry of Education in each country—workshops and brief training sessions offer novel techniques and activities or encourage new content. This indicates that, despite the fact that teachers are exposed to frequent subject changes, it does not necessarily make them more imaginative or receptive to novel concepts. According to Roy and Swargiary (2023), a great deal of international research has demonstrated that many IRI programs have a favorable effect on educational equity and learning outcomes. And in comparison to other interventions, it has shown to be a cost-effective technique thanks to its economies of scale.

## **II. ISSUES IN INFORMATION COMMUNICATION TECHNOLOGY**

According to Tinio (2012), there are four major interconnected issues that must be considered when assessing the overall impact of the application information and communication technologies (ICTs) in the teaching. These issues include effectiveness, cost, equity, and sustainability.

### **1. Effectiveness**

How effectively ICTs are used in education is influenced by their application and purposes. ICTs aren't always, for everyone, or in the same way effective as traditional educational tools or teaching methods. The following viewpoint could be adopted regarding efficient (Singh et al., 2022).

- a. *Increasing access:* There is certain proof that opportunities for higher education and vocational training are being broadened to include individuals and groups who are unable to attend regular institutions. 14 million students enrollment is there in around 3500 educational institutions in the USA (Potashnik & Capper, 1998).
- b. *Raising quality:* Although there is limited information about how educative broadcasting and television programmes affect the quality of primary education, the strategies appear to be equally successful as conventional classroom instruction. (Hannafin, & Savenye, 1993). The Interactive

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