

Investigating the challenges for adopting and implementing of information and communication technologies (ICT) by Isfahan high schools teachers: Based on the model of barriers in ICT usage

Zamani B., Abedini A., Soleymani N., Amini N.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Relevance and usefulness of information and communication technologies (ICT) have been investigated in many researches. There are many challenges for ICT users, especially for teachers that act as inhibitor factors for using ICT in their jobs. The main purpose of this paper was to investigate these challenges in the view point of high school teachers in Isfahan city based on ICT use barriers model. In the model, barriers have divided into four groups: organizational, managerial, educational, and financial-instrumental. The research was based on qualitative method. For analyzing data descriptive-analysis method was used. For gathering data, researcher made questionnaire including 5 open ended had been used. Survey population included teachers of all high schools in Isfahan city in 1387-88 academic years. 110 teachers were selected by using cluster random sampling method. For data analysis, content analysis method was used to calculate the mean and frequencies. Findings indicated that most teachers have explained the lack of proper in-service training programs for their use of ICT as the most important obstacles for using ICT in teaching. Lack of suitable managerial strategies for implementing ICT in curriculum, lack of organizational support and lack of financial resources and equipments in schools, respectively, were other barriers in using ICT in Iranian high schools.

Keywords

Challenges, Information and communication technologies (ICT), Isfahan city, Teachers in high schools, Usage barriers model