



Impact of ICT on teachers Development

KEYWORDS

ICT, teacher's skills, management education, ICT infrastructure

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ABSTRACT The purpose behind this research paper is to make an attempt to examine the impact of ICT implementation on development of Teachers ICT skills, especially in management institutes. This research paper also aims to examine possible relationship between the implementation of information and communication technologies (ICT) and development of Teachers ICT skills. For the present study, 50 teaching staff of selected management institutes was selected and a structured questionnaire was administered. At first, study focuses on the effects of ICT on development of teacher's ICT skills. ICT might have an impact on various teacher's skill set and subsequently the outcome of content delivery in management education. The difference observed in development of teacher's ICT skills does not depend on access and availability of ICT infrastructure in the institute. It is also observed that there is need of inclusion of complementary ICT training to teacher's to acquire the skills requires to use various ICT applications to the extent of delivery of quality educational content to the students, especially of management institutes.

1. Introduction

Management institutions of higher learning involved in the education of current and future managers, we are committed to engaging in a continuous process of improvement with the help of principles and their application, to enable effective learning experiences for responsible leadership, engaging in conceptual and empirical research that advances our understanding about the role, dynamics, and impact of corporations in the creation of sustainable social, environmental and economic value, interacting with managers of business corporations and facilitate dialogue between stakeholders.[1] Information and communications technologies (ICT) are a diverse set of technological tools and resources used to communicate, and to create, disseminate, store, and manage information. Communication and information are at the very heart of the educational process, consequently ICT-use in education has a long history.[2] The advantages of ICT implementation in education are integration of multiple media, interactivity, usage flexibility, better connectivity, new pedagogical methods, remote resource access, enabling collaborations amongst online experts to deliver best possible knowledge to learners, etc. [3] In a study, François Larose et al (1999) presented relatively extensive review of the literature on the epistemological issues in their research study revealed that underlies the integration of information and communication technologies (ICTs) in educational institute teaching. published in Electronic Journal of Sociology.[4] Asifiwe Collins Gyavira Rubanju (2002), in his found that ICT usage is beginning to have an impact on curriculum and classroom/lecture room design in each of the three educational institutes visited[5]

2. Research Design

There are more than 250 management institutes functioning in the western Maharashtra. For the present study, researchers has selected 50 teachers from these management institutes. In order to obtain the information about impact of ICT implementation on development of teachers ICT skills, a first round Delphi questionnaire was given to these selected 50 teachers from different management institutes personally and requested to provide information as per the questionnaire. The present paper is outcome of the first phase of this study.

3. Results and Discussions:

This section of this present research paper reveals initial findings from the study.

1. Number of years in Teaching using computer / ICT:

How many years you are using computer/ ICT in Teaching	Less than 1 year	1 -- 2 Years	3 -- 4 Years	More than 4 Years
No of response	8	10	15	17

From above figures, it has observed that, teachers with more than 3 years of experience are more favorable for use of ICT in teaching.

2. Number of Lectures per week conducted using ICT:

How many lectures per week you conduct using ICT infrastructure	1	2 – 5	6 – 9	More than 10
No of response	4	30	12	4
Percentage:	8 %	60 %	24 %	8 %

From above figures, it has observed that, maximum no. of teachers are conducting 2-9 lectures per week using ICT infrastructure implemented in the institute.

3. Factors affecting development of teachers ICT skills:

Accessories	Strongly disagree	Disagree	Can't Say	Agree	Strongly Agree
Availability of ICT infrastructure	2	6	4	31	7
Curriculum Design & Delivery using ICT	7	6	8	24	5
Training for Use of ICT in teaching	2	6	3	28	11
Assessment of Teachers performance, based on usage of ICT.	9	16	7	14	4
Awareness of latest ICT technology	2	4	10	19	15
Self- learning/ updation by teacher	4	6	4	25	15

It is also explained with the help of following charts:

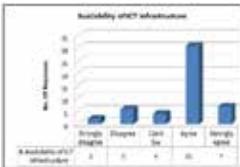
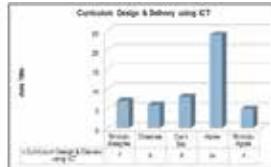


Chart1: Availability of ICT Infrastructure



From above figures, it has observed that, majority of teachers feels that above factor affecting the development of ICT skills irrespective of implementatioao of ICT in the institute.

5. Summary and conclusions:

In the nutshell, it is observed from the primary investigation, that there is positive impact of ICT on development of teacher's ICT skills. Impact of ICT implementation and awareness amongst teachers does have an impact on curriculum delivery in management education. It is also observed that provision of ICT training to teacher's to acquire the skills requires to use ICT applications will be helpful for teachers. The institute level designs of ICT implementation is having differences from institution to institution, hence the observations of present study reveals that it affects the development of ICT skills of teachers in management institutes.

Chart2: Curriculum design & Delivery using ICT

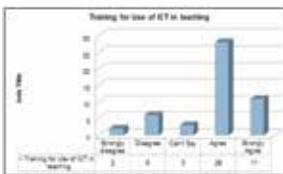


Chart3: Trainig for Use of ICT in Teaching

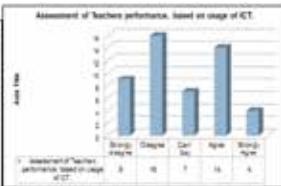


Chart4: Assement of Teachers, based on ICT usage

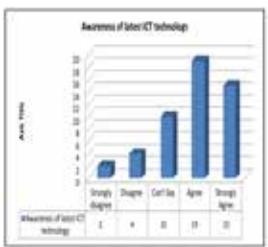


Chart5: Awareness of latest ICT Technology

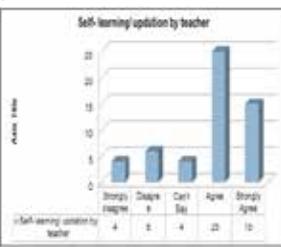


Chart6: Self-learning/updation by teacher

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