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International Journal of Computer Applications

© 2015 by IJCA Journal

Volume 117 - Number 4

Year of Publication: 2015

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10.5120/20539-2904

{bibtex}pxc3902904.bib{/bibtex}

Abstract

The technological revolution has changed the world. The current generations of people are depended on the digital medium in every aspect of their life. The effectiveness of the digital medium has changed the learner's attitude towards the education system. The rapid growth of technology increased the popularity of ICT (Information and Communication Technology) usage has become unavoidable part of the current education system. The emerging trend in the education technologies has increased the necessity of pedagogical change in higher education. Computer based courses are one among the import field of study in higher education. In computer courses almost all the subject requires practical knowledge. Even though computer aided learning and technologies are used, there are many subjects which require theoretical knowledge along with practical knowledge. There are many technical topics which are delivered using the traditional classroom based teaching-learning process. Computer Network is one among such subjects. Many times the traditional classroom learning of such subjects create a lack of understanding among student population. The main objective of this paper is to discuss about various teaching and learning method used for Computer-Network teaching-learning process to show the relevance of a pedagogical change in the teaching and learning of this subject. This paper also proposes a technological framework for Computer Networking teaching-learning process.

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Computer Science

Index Terms

Networks

Keywords

Teaching-learning Process ICT Education Technology Computer Networks.

