Abstract

The extreme progress of information and communication technologies (ICT) and use of Internet is attracting huge number of learners and educators. Latest technologies have been extensively taken up by web users and various factors are influencing such a high adoption rate. Equally use of Web-Based Instructional systems (WBIs) is becoming very popular and demanding among the instructors and the learners for the purpose of the distribution and delivery of the study material, and other education resources. The paper is written with intention to examine factors influencing web-based learning. A tool AlgoWBIs developed for learning algorithm, which had been evaluated by the computer science instructors to find out whether the tool will help in effective learning or not? This study was conducted to explore, if the presented WBI tool is useful for learning or not. The paper focuses on how to trim down the challenges of learning algorithm. In an attempt to facilitate teaching, learning and analysis of algorithm, a tool named AlgWBIs is developed and evaluated. The evaluation proves that the tool will improve the effectiveness of computer facilitated learning and will assist computer science graduate and undergraduate learners and educators.
- Thomas, R., "Interactivity & Simulations in e-Learning." Available at http://www.multiverse.co.uk/whitepaper.pdf
Experts’ Attitudes towards Web-based Instructional System for Algorithm


Index Terms

Computer Science

Information Sciences
Keywords
Algorithm  Instructional design  Web-Based Instruction system (WBIs)  Meta learning  Self-paced learning  Web-Based learning  Interactive learning  computer based learning  personalized learning