

# Abstract

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## **Web Based Intelligent Tutoring Systems: The Effective Way for Distance Education**

The recent rapid development in educational technology has resulted in virtual approaches of teaching & learning options available to educational organizations around the world. Teaching approaches that were generally accepted are no longer acceptable today because of greater access to new technology, awareness of the advantages of more student-centered approaches to learning, & the increasing demand on more flexibly delivered & technology based courseware. With the beginning of the new millennium, technology has the potential to dramatically alter the face of education. Now, there is a great demand on distance education programs that are particularly appropriate for those who cannot attend a traditional on-campus education programs. In response to this demand educational organizations should put & implement distance education courseware & more researches should be carried out & directed toward assuring & increasing the effectiveness of these courseware. Within the community of educators the WWW has been seen as a new media for course delivery & a tool for collaboration & information interchange & on this basis they strongly recommend its integration into education process. On the other hand, WWW full value as an effective teaching medium for individual learning has yet to be realized & problems associated with Web-based courses should be solved. Internet-based courses should be able to understand students, customize feedback & presentation, give appropriate advice & help, & dynamically support student navigation through the course hyperspace. Integrating Intelligent Tutoring Systems (ITS) & Internet technologies to develop Web-Based Intelligent Tutoring Systems (WBITS) is a way to integrate the adaptivity & intelligence of ITS with WWW as a very popular & high available medium for distance education.