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ABSTRACT

As more and more sectors of life have become impacted by computers. The major areas include medical, industrial, research especially in educational institutions have followed this trend as well. The ultimate aim was to provide a suitable system as well as easy to follow guidelines on how to propel the lectures from the conventional dull chalk and talk environment to the realm of all interactive computer assisted Web based electronic classroom. Through the years several types of virtual classrooms have developed and, in our practice, we defined two main types of them. The most frequently used on-line classroom denomination refers to user connection and interaction achieved via computerized networks-provided synchronized communication. Other important features include an attempt to model the traditional class room via the central role of the instructor and interaction options available to students. The second type of virtual classrooms focuses on content provision while placing a lesser emphasis on student interaction. In this case students can follow the instructor presentation or any other auxiliary material both in a synchronous and asynchronous manner. This website allows full student interaction and use of multimedia in the lecture. Comparing the existing websites, this project relies more emphasis on voice supporting. The virtual classroom is interesting place for lecturers and students to join and become the most important feature of E-Learning web sites that makes a complete E-Learning system. This project presents the results of the "**Virtual Classroom**" project, **LEARNWORDS** for enhancing student-teacher communication.

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LIST OF ABBREVIATIONS

vir → virtual

edu →education

SRS → System Requirement Specification

FTP → File Transfer Protocol

HTTP →Hyper Text Markup Language

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