

TESTING SYSTEM FOR THE BLINDS IN THE E-LEARNING ENVIRONMENTS

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ABSTRACT

In under-development countries, technology helps people with special needs to succeed and continue their educational achievement and overcome life difficulties. Distance education is one of the most important products of modern technology, which provides home-education for those who have difficulty attending traditional schools for financial, security, or health causes. Electronic tests still considered an essential obstacle to some health conditions such as the blind. In an e-learning environment, where the blinds need someone to read and answer questions. This last is difficult and embarrassing and negatively affects the result especially with female students. This research provides a developed system for electronic testing that enable blinds to work easily and flexibly without the need for assistance. The use of an automatic reading service provides control and exploring mechanisms. These mechanisms help to jump from a question to another by some special buttons on the keyboard. Our contribution focus on improving the educational attainment opportunities for blinds as well as normal people.

Keywords: Education, Smart School, Blind Student, E-Test, IoT