DESIGN AND IMPLEMENTATION OF COMPUTER BASED TEST

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ABSTRACT

Computer-based testing (CBT) has emerged as one of the recent "innovative" approaches to assessments most pursued by institutions, especially secondary and tertiary institutions. CBT is lauded as the answer to having cheaper and speedier test delivery for elementary, middle, secondary and even tertiary school testing assessments which is a programmed computer test.

Computer based test is a form of administering test in which the response are electronically assessed and recorded The Major objective of the project was to design and develop a Computer Based Test that would computerized the existing records management in the department of Computer Science and give direct benefit to the department in terms of fast information retrieval, enhanced decision-making. The Computer Based Test was designed as a web based system and implemented using open source solutions that include MYSQL as the database, and PHP as the programming language.

An extensive evaluation of the project determined that the project achieved many of its predefined objectives however, the major limitation of the project was the scope covered. From a proper analysis and assessment of the designed system, it can be concluded that the system developed is an efficient, usable and reliable computer based test.