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Thesis Title : An Experiment in the Use of Methods of Presentation by Using Linear,Branching and Cyclic & Cyclic Computer-Assisted Instructional Programs in Teaching "The Government Saving Bank" of Financing Institution for Diploma Level B.E. 2540

Major Field : Technical Education Technology

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Academic Year : 1999

Abstract

The purpose of this study was to investigate the learning achievement of student by . using three types of Computer-Assisted Instruction (CAI) programs, linear, branching and cyclic & cyclic. The samples were 60 second-year diploma level students of the Faculty of Business Administration at Pratumtani Technical College . They were random selected into three equal groups of 20 students from the population of 200 students. The first group studied with a linear CAI program. The second group studied with a branching CAI program .and the third group studied with a cyclic & cyclic CAI program. The samples were given a pre- achievement test before studying the programs. After the students completed studying the CAI program, they were given the achievement test. The students were assigned to see the other types of CAI programs that they were not studied. The preference response forms were given to the students to rate their preference of the CAI programs. The achievement scores were analyzed by median and tested the difference by using non-parametric statistics. The results indicated that there was no significant difference at the level of .01 among the scores of the three group. There was a significant difference among the preference of student to the three types of CAI program at the level of .01. They preferred the cyclic & cyclic program to the branching and the linear programs .

_____ Committee Chairperson

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