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Abstract

The purpose of this research were to construct and find out the efficiency of an instructional package for control system according to the industrial technology curriculum, Faculty of Engineering, King Mongkut' s Institute of Technology North Bangkok.

The instructional package consisted of teacher' s manual and teaching aids, was constructed. The teacher' s manual included instruction manual, behavioral objectives, information sheets teaching plan, exercises and tests. The teaching aids included with the computer presentation by power point and others. The sampling were 20 second year students in first semester of academic year 2001 of Industrial Electrical Technology in the faculty of Engineering, King Mongkut' s Institute of Technology North Bangkok. The experiment was conducted during their studies, they were asked to do the exercises. The achievement test was given right after each lesson. The scores obtained from the lessons and the tests were analyzed to determine the efficiency of the instructional package.

The result of study revealed that the instructional package was efficient. The learning achievement determined by the exercises were 81.25%. Their average learning achievement determined by the test result were 81% the efficiency of instructional package was 81.25/81 which was higher than the hypothesis criterion 80/80