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Thesis Title : The Construction of an Instructional Package for
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Abstract

The purposes of this research were to construct and find out the efficiency of an Instructional Package for the Topic of Fundamentals Computerized Numerical Control Milling Machines.

The experiments of an Instructional Package for the Topic of Fundamentals Computerized Numerical Control Milling Machines were conducted by constructing and testing the efficiency of the package through the sample group of the third year Certificate in Technical Education (Mechanical) students of the College of Industrial Technology, King Mongkut's Institute of Technology, North Bangkok in academic year 1990. The samples taken were 38 out of 78 in total. During the teaching and learning process, the students did two exercises which were theory and practice for finding the successfull in the process of learning. After lesson, the students took two achievement tests in corresponding to the aspect of theory and practice. The score for exercises and the tests were used to determine the efficiency of the Instructional Package.

The result from this research indicate that the Instructional Package has a very high efficiency, the efficiency from the tests 86.20/80.82 for the theory part and 95.60/96.68 for the practice part which were higher than the established criteria of 80/80. Therefore it may be concluded that this Instructional Package can be used for teaching efficiency.



Committee Chairman