

INDEPENDENT STUDY TITLE : A CONSTRUCTION OF COMPUTER ASSISTED  
INSTRUCTION ON CNC PROGRAM

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#### ABSTRACT

The purpose of the present independent study was to construct a computer assisted instruction on CNC Program with an efficiency ratio of 75/75.

The samples in this study consisted of 42 third-year Vocational students who enrolled in the Machine Shop Division of Khon Kaen Technical College, Amphoe Muang Khon Kaen, Changwat Khon Kaen. The study was being carried out during the second semester of the 1996 academic year. The experiment to find the efficiency ratio was broken down into three steps: (1) a one-to-one testing with three students, (2) a small-group testing with nine students, and (3) a field testing with thirty students.

The results showed that the computer assisted instruction so constructed has an efficiency ratio of 82.00/78.33 which was higher than the expected criterion.