Thesis Title   A Study of Present Conditions, Expectations and Needs Concerning

Electronic Computer Program at the Vocational Diploma Level :

A Case Study of Ayutthaya Technical College.

Thesis Credits   6

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Degree of Study   Master of Science in Industrial Education

Division   Computer and Information Technology

Academic Year   1998

Abstract

The objective of this research was to study of present conditions,expectations and needs concerning Electronic Computer program at the Vocational Diploma Level especially on knowledge, skills and working habits of graduates while working at the industries. The population of the study consisted of 32 students ,106 graduates and 76 supervisors or entrepreneurs. The instrument for data collection was a questionaire. The statistics of data collected were analyzed by using Percentage, Means ($\overline{X}$), Standard Deviation (S.D.),Rating Scales and Ranking

The results of the study were as follows:

1. Most of the students were graduated in 1996 and worked at the large size industries. Most of them worked as operators that was relevant to their graduated program and most graduates' supervisors or entrepreneurs were males.

2. The opinions Concerning Electronic Computer Program at the Vocational Diploma Level of students while studying at Ayutthaya Technical College, the graduates and their supervisors or entrepreneurs on knowledge, skills and working habits were as follows:

2.1 All of three groups indicated their opinions accordingly on knowledge and skills as in : the principles of sending data by using the external equipment , the utilization of standard serial / parallel port, the procedure of information management , the structure of data network, the network system (LAN), the high level structure programming, the electronic circuit and electrical foundation, the utilization of electronic and computer testing devices, and the maintenance of computer and components.

2.2 All of three groups indicated their different opinions on knowledge and skills as in : operating system, microprocessor, microcontroller, computer and equipments, computer program language, English language, English manual for user, assembly program language, data base program, application programming, and package program.

2.3 All of three groups indicated their different opinions on working habits as follows : the students while studying at Ayutthaya Technical College identified faithfulness as the most important for work, On the other hand, graduates and their supervisors or entrepreneurs indicated that responsibilities were the most important.

3. When the graduates classified by position as in : administrators , operators, technicians, maintenance operators and instructors, it was found that most of them indicated their opinions accordingly on knowledge , skills and working habits, except the maintenance operators and instructors.