

Thesis Title	A Curriculum Evaluation on Electrical Program of Higher Diploma in Technology, 2533 B.E. (Higher.Dip.Tech.) at Pathumwan College
Thesis Credits	12
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ABSTRACT

The purposes of this research were to evaluate Electrical Program of Higher Diploma in Technology, 2533 B.E. (Higher.Dip.Tech.) at Pathumwan College on Context, Input, Process and Product. The sample of the study consisted of 6 directors, 27 electrical and electronics engineering instructors, 40 electrical power and electronic – telecommunication students including 85 students who were graduated during 1990-1993 and 85 graduated students' administrators of Higher Diploma in Technology. The instruments used for data collection were a survey, questionnaires for directors, electrical and electronics engineering instructors, electrical power and electronic – telecommunication students, graduated students and their administrators of Higher Diploma in Technology. SPSS/PC⁺ was used for data analyses to determine statistical values by means of percentage (%), mean (\bar{X}) and standard Deviation (SD).

The research results were as follows:

1. According to the context, it was found out that before the program of Higher.Dip.Tech. was implemented, most directors and instructors had already known not only the details, the purpose, the structure and the criteria of how to utilize the Program but also the guidelines of teaching and learning management. Besides, the directors of Pathumwan College had shown their abilities of how to prepare and be able to solve the problems such as personnel, the budget, services and supporting, public relations before the Program would be

co-ordination with other offices, the course planning, the teaching materials and the teaching media.

2. Input. It was revealed that the graduate students agreed upon the essential / appropriateness of the purposes, the credits of educational and general fundamental courses. However, the credits and the contents of technical and elective courses were moderately agreed. Also, the majority of students agreed at the most appropriate level on the place for theory and practice learning as well as the library but the space of the library room was rated as less appropriateness for the number of students. The percentage of technical textbooks was 17.92 which was the least of all. The quantity and the hygiene of drinking and washing water was less appropriate. However, the trend of budget allocation to the Industrial Education Department was continuously increasing during 1990-1993. Then, the average budget given to Electrical Power and Electronic – Telecommunication Program, Department of Industrial Education was 3,000 baht/person.

3. Process. It was found out that the instructors would prepare their lessons before teaching and their teaching method was lecturing with teaching media. Also, students would moderately pay attention and co-operate with their instructors. Then, while teaching and learning, the instructors would foster the students' moral and ethics. The measurement and evaluation would be judged from the students' reports/performance/products of the students. The measurement and the given scores was clear-cut. Teaching and learning activities were lecturing, seminars, and academic meeting. The problems of the instructors were lack of the time for lesson preparation or seeking of new teaching technique, lack of budget supporting, and lack of evaluating learning manual.

4. Product. It was found that the percentage of 1st and 2 year (1990-1993) graduated students was 100. Most of them or 93.75 % were government officials at technical colleges throughout the country and only 6.25 was working at government and private enterprises. Also, graduated students' administrators mostly agreed on the students' teaching abilities except their school management were rated at the moderate level.

Keywords : Higher Diploma in Technology / Evaluation / CIPP MODEL