

Thesis Title	The Development of Criteria for Performance Evaluation with Worksample in Industrial Electronic I Higher Vocational Certificate in Electrical Power Technology Program of Department of Vocational Education
Thesis Credits	6
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Abstract

This study was aimed to develop a set of passing score and an evaluation model to assess performances gained from a DC power supply working sample. The study also focused itself on both partial and over all aspect of performance evaluation. Job sheet and observation sheet were the essential instruments used in the study.

Work sample and its job sheet were developed from a set of data obtained from job analysis. The developmental process involved techniques of job selection, job formulation and job sheet construction under supervision and approval of a number of content experts.

Observation sheet was also developed from the analysis of newly constructed jobsheet. A set of evaluating criteria was set to assess certain aspects and over all working performance.

Populations used in the study were higher vocational certificate students in electrical program of Mahasarakham Technical College who has completed industrial electronics I. Five students were selected for the first test and 16 students were randomly assigned for the second try.

The study found that :

1. Content validity of the job sheet was well established. A congruent index between contents and topics selected for the study were highly approved by the experts with the ranging from 0.8-1.00. Job sheet and course objectives were also rated as highly congruence of 1.
2. Reliability of the observation sheet derived by Pearson Product Moment on each aspect and on over all performance were ranging from 0.54-1.00
3. Passing scores were found effective on the aspects of instrument maintenance, accessories and appropriate materials; method of working; ability to work safely; product; working periods; and overall performance yielding a set of scores as, 13, 23, 9, 23, 10, and 78 respectively.
4. Content validity for each aspect of performance on the jobsheet were found ranging from 0.56 to 0.94
5. Overall reliability of the jobsheet was rated as 0.92.

Keywords : Performance Evaluation / Worksample / Electrical Power Technology Program