
Program Learning Outcomes (PLO) Analysis Through Exit Survey for Diploma in Electronic Engineering Computer

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Abstract

Exit survey evaluation is a good practice to get informal feedback regarding the effectiveness of the program in determining attainment of programme learning outcomes (PLO). In addition, continuous quality improvement (CQI) measures can also be implemented to ensure that program requirements are in line with the needs and requirements of the industry in ensuring the provision of quality services to students. The objective of the study is to assess the programme learning outcome (PLO) attainment of Diploma in Electronic Engineering (Computer) (DTK) in Politeknik Sultan Idris Shah through exit survey as the informal method of assessing the programme learning outcome (PLO) achievement aside from the formal method which is through Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA). Twelve programme learning outcome (PLO) of the department is developed in the curriculum that comprises of four main elements: knowledge, technical skills, human skills, and entrepreneurship skills. The study was carried out for two cohorts, namely students who had graduated in Session I: 2022/2023 and Session II: 2022/2023. A total of 51 respondents took part in the survey. A set of questionnaires was developed as an instrument for the study which consists of three sections, covers the demographic data, twelve programme learning outcome (PLO) attainment and feedback of the quality of education offered. The data for this study was obtained through a questionnaire instrument distributed to students through google form platform and analysed using the Statistical Package for the Social Sciences (SPSS version 29.0.2.0 (20)) with descriptive analysis methods. The survey covers 12 aspects of the programme learning outcomes which consists of four main elements namely cognitive, technical skills, generic skills and academic resources and facilities. This study presents the findings of the evaluation of the learning outcomes of the electrical engineering program for Diploma in Electronic Engineering (Computer) (DTK) program. The findings of the study prove that the achievement of programme learning outcomes are in a good level. Meanwhile, in terms of academic resources and facilities of education at the Politeknik Sultan Idris Shah is also good with several improvement focused on providing the latest laboratory facilities according to current industry developments. Overall, this study can be used as part of efforts to improve the quality of the education and training system implemented in polytechnics.

Keywords: *DTK, Electrical Engineering, exit survey, Programme Learning Outcome (PLO)*
