Industrial Personnel Assessment of Psychomotor Skills Needs of Electrical and Electronics Engineering Students of Polytechnics in Niger State.

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Abstract

This paper presents the industrial personnel assessment on the psychomotor skill needs of electrical and electronics engineering students of polytechnics in Niger state. The study focused on the psychomotor skills required by electrical and electronics engineering students in the areas of; electrical power system and machines, electronics, communication and control. Three research questions and one null hypothesis were formulated and tested to guide the study. A 56 items questionnaire was developed and used to collect data from the respondents consisting 105 engineers and 195 technologists from all electrical and electronics industries and it’s related in Niger state. Data collected were analyzed using frequency count, mean, standard deviation and t-test statistics. The null hypothesis was tested at 0.05 level of significance base on 298 degree of freedom. The findings revealed that the acquisition of psychomotor skills in maintenance of electrical power equipments should be obtained from school. Therefore, it is recommended among others that, student should be taught to enable them acquired the basic skills of domestic wiring, and television receivers troubleshooting before graduation for gainful employment.

Keywords: electrical and electronics, psychomotor skill, student, assessment, polytechnics