

upper([Original Research])

Cable Conduit System Installation Skill Needs of Electrical Craftsmen in the Informal Sector of the Economy for Sustainable Self-Employment in South-South Nigeria

[Alio, A. N., Ikoli, E., Ezeora, Boniface Ugochukwu]

Authors: Alio, A. N., Ikoli, E., Ezeora, Boniface Ugochukwu

[Abstract]

The general purpose of the study was to determine industrial electrical installation skill needs of electrical craftsmen in the informal sector of the economy for sustainable self-employment in South-South Nigeria. One research question and a null hypothesis guided the study. The study was carried out in South-South States of Nigeria using a descriptive survey research design. The population for the study was 417 registered industrial Electrical installation craftsmen and master craftsmen in informal sector of economy in the South-South zone of Nigeria. Census sampling was used because the entire population was studied. The instrument used for data collection was 19-item structured questionnaire developed by the researchers. The instrument was structured using a four-point rating scale for data collection and was face validated by three experts. Two of the experts were from Electrical/Electronic Technology Education in Enugu State University of Science and Technology {ESUT}, Department of Technology and Vocational Education, while the third was from Measurement and Evaluation, Department of Mathematics and Computer Education, ESUT. Cronbach Alpha reliability coefficient was applied to confirm the internal consistency of the instrument. It yielded 0.72 which indicates the instrument was reliable. Mean and standard deviation were used to answer the research questions while t-test was used to test the null hypothesis at 0.05 level of significance. The result showed that all the items under cable conduit system installation skills were all highly needed by the craftsmen and master craftsmen in the informal sector of the economy. In addition, there was no significant difference in the mean scores of craftsmen and master craftsmen at 0.05 level of significance. The study therefore concluded that the identified skill needs should be used to improve teaching-learning process and competency development among the students in technical colleges. The master craftsmen on the other hand should step up apprenticeship training in the informal sector of the economy for self-employment. Keywords Cable Conduit System Installation; Electrical Craftsmen; Skill Needs; Master Craftsmen; Informal sector; Sustainable Self-Employment Citation

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