

Digital Skill Framework Required by Students of Building Technology in Nigerian Higher Institutions

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Abstract : Graduates from higher educational institutions in Nigeria need to leave with the necessary skills to be independent in the emergence work environment. The goal of this study is to develop a framework of digital skills that Nigerian graduates in building construction need to be proficient in various digital skills to comfortably fit into the global advances in a technological labour market. The descriptive survey design was used in this investigation. The study's population consisted of building construction experts selected from different sites within the North Central geographical zones of Nigeria. Using random sampling approaches, 120 seasoned experts were chosen. Three research questions raised by the researchers guided the study. The data was gathered using a 60-item, structured questionnaire. The questions were formulated around three key skill areas such as digital skills related to ICT, digital skills related to general workforce, and basic digital literacy skills that students should have. A building construction specialist validated the questionnaire. Winstep in conjunction with SPSS was used to determine the Cronbach Alpha reliability of the items' internal consistency and person separation, item measure, item fit based on PTMEA CORR, polarity items, misfit items, unidimensionality, and a person-item map. The Cronbach Coefficient reliability of items for the three sub constructs was 0.70. The results showed nearly every sub component within the three areas of digital skills was regarded as significant to be learn by experts. The researchers recommended among other things, that all parties involved in the education sector should work together to develop a curriculum that covers digital skills which can meet employer's' needs.

Keywords : lifelong learning, digital skill, framework, building technology

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