

Developing Post-Occupancy Evaluation using Value Engineering in the Higher education buildings

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Abstract

The research studies the evaluation of the higher education buildings after operating and using because the periodic maintenance works that are being conducted on these buildings, which are being carried out without reviewing the functional performance or following a scientific methodology the post-occupancy evaluation. Therefore, the research aims to conclude and formulate a methodology for developing and improving post-occupancy evaluation and trying to increase its efficiency after linking with value engineering to improve development plans. Consequently, during applying the post-occupancy evaluation framework that will depend on value engineering to benefit from the functional analysis stage as the most significant stages for analysing and improving functions. Then the field and practical study of the deduced methodology that will be investigated by the maintenance and development teams and specialists to measure and evaluate the significance of the methodology elements and the appropriateness of its mechanism in developing the higher education buildings. In addition to it will be applied in these projects as a practical study to show the new potentials of the deduced methodology. Therefore, the deduced methodology will improve the functional performance of the buildings and the educational spaces and be involved in development plans.

Keywords: Post-Occupancy Evaluation (POE); Functional Performance; Value Engineering (VE); Functional analysis; Higher Education.