

STUDY OF MULTIFARIOUS ATTRIBUTES OF A QUANTITY SURVEYOR FOR SUSTAINABLE CONSTRUCTIONS IN SRI LANKA

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Abstract

The profession “Quantity Surveying” (QS) plays a major role in the field of construction. Initially the work scope of a traditional Quantity Surveyor was limited within a considerable amount of work. Due to the fact of evolution of the industry, within the last decades the work scope of the Quantity Surveyor span across in the spheres of various disciplines. Sri-Lankan construction industry is aware of the importance on multifarious attributes of the Quantity Surveying profession. The sustainable construction concept aimed to achieve the construction goals while achieving current needs with less harming and conserving the resources to the future generations.. The traditional quantity surveyor also face many challenges to implement this new concept in Sri Lanka. Yet, it’s questionable that the industry is aware of the extent of which the attributes impact the success of a sustainable construction project through the QS profession. This paper is focused on Engineering knowledge, Architect Knowledge, Information and communication Technology knowledge, Project Management Knowledge, Economic, Finance and Accounting Knowledge and Construction Law Knowledge of modern Quantity Surveying.

The objectives were achieved through a mixed method approach using a detailed questionnaire survey and semi-structured interviews which has used both quantitative and qualitative approaches in determining the Benefits, Challenges and barriers of implementing this concept respectively. The analysis of the data collected, was done using to well described the collected data Statistical package for the social sciences (SPSS) and frequency analysis methods. According to the analysis, it was reviled that the multifarious attributes of the QS towards sustainable construction is important. It was found that the need of these attributes are required to perform the work scope of Quantity Surveying and it is needed to take necessary precautions to implement and maintain certain standards which covers the above mentioned attributes in order for local Quantity Surveyors to be well equipped, for the challenges in facing the new requirements of the construction world.

Key Words – Sustainable Construction, Multifarious Attributes, Quantity Surveyor