

INVESTIGATION ON CONTRACTORS QUANTITY SURVEYORS ROLE WITH THE APPLICATION OF INFORMATION TECHNOLOGY REQUIREMENT IN SRI LANKA

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ABSTRACT

Information Technology (IT) assists the construction firms to achieve their competitive advantage in the market, the knowledge and skills in information technology will provide a leading edge to Quantity Surveyors.

This research introduces the findings of a use of IT among the contractor organizations in Sri Lanka. This study was mainly focused on four objectives; to identify the uses of IT in globally, to identify currently uses of IT by the Quantity Surveyors in Sri Lankan Construction Industry, identify benefits and barriers of adopting new technology, recommend the suggestions to overcome the barriers of implementing IT. The research was conducted through the questionnaire survey, literature survey and interviews. The mix method approach was used as research approach. RII analysis method and descriptive analysis method were used for analyse the data collected through the questionnaire. And also, analytical writing method was used to analyse the interviews. For the questionnaire it was responded thirty-five responded out of the fifty. It is a 70% of respondents rate.

The study identified improve the effectiveness and efficiency of the company, improve the productivity, reduce the cost of work, improve the stakeholder attraction, time saving, improve the quality of work are the potential benefits of IT implementation of the Quantity Surveying works in Sri Lanka. However, lack of knowledge, cost for the implementation of information technology, Unwillingness of adopting new technology, lack of required software and highperformance computers for new technologies are the reasons for the failure of IT adaptations for Sri Lankan Construction Industry. conduct seminars and workshops for professional parties in construction industry, invite construction industry expertise to implement the new technology with their experience, Upgrade the university course modules to increase the knowledge and practices of computer applications, Inform the contractors about the benefits that can be gaining through using new technologies are the suggestions that overcome from the research. At the present days IT used only some area of the Sri Lankan construction Industry. So, Quantity Surveyor profession must recognize the importance of IT and take appropriate actions to meet the challenges of ever-changing and competitive market place.

Keywords: *Quantity Surveying, Information technology, Sri Lanka*