An Analysis of the Challenges for Implementation of Building Information Modelling in Sri Lankan Construction Industry

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Building Information Modelling (BIM) is a technological tool used by industrial professionals to create and manage data of an on-going construction project. Many countries are already using the BIM tool for their construction development. However, Sri Lanka is in a very arduous position with regard to the implementation of BIM tool for construction industry. Owing to the high cost, Sri Lanka implements the traditional methods when doing a construction project. BIM is a process that includes the creation and management of physical and functional information on a project. The output of the process is what we call BIM or build an information model which is ultimately a digital file that describes every aspect of the project and supports decision making throughout the project cycle. As a result, progress of the construction industry in Sri Lanka has gone down gradually. Under this environment, it is intended to conduct a study to identify the main barriers to the standardization of BIM tool in Sri Lanka. Research approach involved the use of primary data, collected from a Questionnaire survey and semi-structured interviews with qualitative and quantitative mixed type research. The foremost objective was to identify the progress of BIM tool and the main obstacles for its adoption and integration.

Keywords: Building Information Modelling, Construction Development, Project Cycle, Main Barriers